



NATIONAL CONFERENCE



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12th - Indian Endodontic Society

7, 8 & 9 January, 2005

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Welcome's all the delegates to Bangalore



National Conference



19th - Federation of Operative Dentistry of India
12th - Indian Endodontic Society

Venue : Convention Centre, NIMHANS Complex

7, 8 & 9 January, 2005



Souvenir

Networking For Better Bonding

**Souvenir for National Conference of
19th Federation of Operative Dentistry of India and
12th Indian Endodontic Society**

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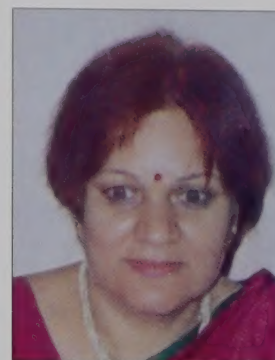


National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



EDITORIAL



Dear Delegates,

At the outset, the members of the Souvenir Committee wish all the distinguished guests and delegates attending this conference "A Very Happy and Prosperous New Year 2005". The Souvenir Committee takes immense pleasure in presenting this Souvenir to commemorate the occasion of 19th FODI and 12th IES National Conference being held from 7-9 Jan '05 at the Garden City and Silicon Valley of India, Bangalore.

It is indeed our privilege to present this publication to all our delegates with the theme "Networking For Better Bonding".

We express our gratitude to all the esteemed dignitaries who have honored our invitation and also to those distinguished persons who have sent their valuable messages on this occasion.

We extend our sincere thanks to our sponsors, advertisers, donors and well wishers for their kind and generous patronage. Also, to all others who had contributed in whatever way they could to make this publication a reality.

We express our profound thanks to the Conference Organizing Committee and to our Editorial Board for their dedication towards this venture.

This Souvenir highlights the conference schedule, details of the scientific programme, abstracts of scientific papers, about poster presentations, trade fair, sponsors and advertisements etc. All efforts have been made to make this Souvenir presentable and elegant.

Looking forward to a great conference with active interaction and memorable events.

sd/-

Dr.K.Shashikala.

(Chairperson, Souvenir Committee)

sd/-

Dr.Bharathi D. Deo

(Co-Chairperson.)



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From the Chairman's Desk

On behalf of organizing committee of 19th FODI and 12th IES, I extend a warm welcome to all Delegates and Invitees to our Garden City of Bangalore known for its salubrious climate throughout the year.

Keeping with our theme "Networking for better bonding" we have been able to rope in Stalwarts in Endodontics and Conservative Dentistry from India and Abroad to deliver special guest lectures to showcase the current advances, their views and clinical research to update knowledge in the speciality. This will help to bridge Practice-research gap and provide a basis for Researchers and Clinicians to work together to translate research into meaningful practice.



I am thrilled to state that at the time of going to the press we have crossed a record of 800 registrations-the highest ever-for FODI/IES National Conference and I appreciate the enthusiasm and tremendous interest from all parts of India to participate in this Conference in Bangalore. I assure that you will be taken care of adequately and will witness some of the finest and useful scientific deliberations during the next three days.

One of the highlight of the Pre Conference course this time is a 3 hour Interactive Video Live Conference from Loma Linda University which included lecture, demonstrations and a Question and Answer Session. I congratulate the Scientific Committee for their elaborate work and carefully planning each session with meticulous deliberation and precision.

I will be failing in my duty if I do not mention the election of one of our esteemed member-Dr. Anil Kohli to the post of President DCI and on behalf of FODI and IES, I present warm greetings and congratulations. We all wish him success and support in all his endeavours in the next five years. We all know that we had services of our patron Dr. B. Subhash Chandra Shetty - President of IDA, and the two Presidents have immensely contributed, not only in bringing in sponsors but also for their useful guidance at every stage leading to success of the conference.

I also wish to express my gratitude to all members of organizing committee for their support, hard work, and co-operation leading to the success of this Conference. I also congratulate Souvenir committee for bringing out this colorful Souvenir.

I wish to greet all the delegates a happy new year and wish you a pleasant stay in Bangalore and leave this conference richer in knowledge and carry pleasant memories of goodwill, and fellowship.

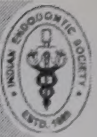
Dr. S. Jagadish

Chairman - Organizing Committee
19th FODI & 12th IES National Conference.



National Conference

19th Federation of Operative Dentistry of India
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FROM THE DESK OF THE ORGANIZING SECRETARY

It gives me immense pleasure to welcome each and every one of you to the 19th FODI and 12th IES National Conference Bangalore 2005 on behalf of the entire organizing committee and on my own behalf.

Bangalore, Asia's fastest growing city the Silicon Valley is the information technology and biotechnology capital of our country. It boasts of being the Happening city with an exquisite mix of scientific excellence, extraordinary fun, affable people and memorable frolic. It calls for time and inclination to see it, experience it and finally believe it.



The theme of our conference is "Networking for better bonding". In our endeavour to ensure that memories of this conference is firmly etched in your minds, we have strived to bring in the closely knit fraternity of Conservative dentists and Endodontists to share scientific knowledge, discuss, deliberate and debate about the challenges faced by the practitioners and crystal ball gaze on the future potential of various technological innovations. The faculty of National and International speakers will dwell at length to bridge the gap between information explosion and its consolidation in clinical practice. All this is done with the aim of getting us closer to our goal of 'Perfect Bonding' for the benefit of our patients.

Conference of the magnitude as planned by us, is incomplete without cultural and social intermingling, offering all of us an opportunity to meet old friends, make new friends and generally have a good time. The cultural committee has put together a theme banquet exposing us to a blend of ethnic and modern entertainment.

Many of our friends in the industry have gone out of the way to demonstrate their togetherness by supporting and nurturing this academia-industry interaction and have helped showcase our capabilities. As I thank the industry and the various college managements for their outstanding cooperation, I must say that they have indeed been bonding agents in our net-knit-bond operation.

Lastly I will be failing in my duty if I don't thank our patrons, chairman, advisors and the entire organizing committee for having untiringly worked towards the successful conduct of this conference.

I wish to thank each and everyone involved either directly or indirectly in the strategisation, formulation and implementation of this 19th FODI and 12th IES National Conference, Bangalore.

Dr. Roopa R Nadig
Dr. Roopa R Nadig
(Organising Secretary)



National Conference

19th Federation of Operative Dentistry of India
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From the Desk of Chairman : Scientific Committee



It gives me immense pleasure to present to you the scientific programme of the FODI and IES. It has been our constant endeavour to make the scientific programme of this conference a truly memorable one. Over the last one year, we have held innumerable meetings and brain storming sessions to ensure that the content and presentation of this conference is exquisite in the true sense. In this context, I gratefully acknowledge the continuous support given by all the committee members.

A lot of planning and effort has gone into bringing together a distinguished group of international speakers who will present to you the latest information in the fields of the materials, Conservative dentistry and endodontics. We plan to hold guest lectures by both international and national speakers on all days of the conference. Very useful and informative hands on courses to benefit the P.G. students have also been organized.

The hilghilght of the pre-conference programme will be the video conference with Dr. Charles Goodacre, the Dean of Lomalinda University.

Apart form these guest lectures, we have organized an exhaustive programme of more than 120 papers and posters. The scientific session will conclude with a panel discussion by senior faculty members and invited speakers.

Nearly fifty percent of the registered delegates are involving themselves in the scientific programme by presenting papers / posters. This clearly indicates the interest of the fraternity in academics which is a great encouragement for the committee.

finally I would like to invite all the delegates to participate actively and make this conference a grand success.

“KNOWLEDGE SHARED IS KNOWLEDGE GAINED”

sd/-

B.V. Sreenivasa Murthy
(Chairman - Scientific Committee)



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Dr. Jacob Daniel
Co-ordinator : Scientific Committee



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Federation of Operative Dentistry (India)

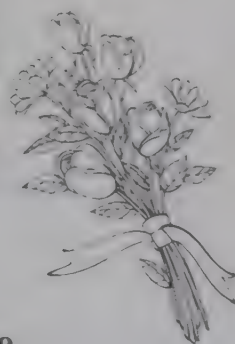
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P.B. No. 5033

Raj Bhavan, Bangalore

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No. : GS/295/MSG/04

MESSAGE

His Excellency the Governor of Karnataka is glad to find that the Federation of Operative Dentistry of India and Indian Endodontic Society are jointly organising a National Conference during January 2005 in Bangalore.

The Governor hopes that all issues pertaining to dental science and the strides it has taken after research and development in the recent past would be deliberated in the Conference. He also hopes that the conclusions emerging out of the Conference would serve as a guiding manual to students and younger professionals.

His Excellency wishes the Conference every success.

(K.V. Jagannatha)

Personal Assistant to Governor

November 30, 2004



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



Dr. Anil Kohli

MDS (Lko), DNBE (USA), MNAMS
PRESIDENT



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New Delhi

Ph : 23238542, 23236740

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Dental Council of India

(Constituted under the Dentists ACT 1948)

No. DE-118-2004/9312

Dated the 29 November 2004

MESSAGE



It gives me immense satisfaction to note that the National Conference of 19th Federation of Operative Dentistry of India and 12th Indian Endodontic Society is scheduled to be held between 7th and 9th January 2005 in the graden city of Bangalore, which by itself is a significant milestone and a feather in the cap of Dental professionals of this region.

The congregation of the eminent dental surgeons drawn from the various parts of the country for the conference and the learned interactive deliberations threerat are bound to bring out all that is necessary and vital for the development and advancement of the subject but also would generate concrete dimensions from the point of view of extension of dental care to the population in general in the country.

The relevance of the profession undoubtedly rests not only on its "scientific update" but also on the "extension of dental care" facilities to the needy, independent of the "paying capacity". Therefore, the need of the hour is to give a "Human face" to the dental profession, for which all of us have to strive to make this aspect get translated into a vibrant reality.

I wish the organizers all success, with an ardent belief that the conference shall emerge, to be "Monumental" one.

(Dr. Anil Kohli)



National Conference

19th Federation of Operative Dentistry of India

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Dr. R. Chandrashekhara, M.D. (R.T.)

Vice Chancellor

MESSAGE

I am very happy to note that the 19th - Federation of Operative Dentistry of India and 12th - Indian Endodontic Society Bangalore are hosting the National Conference during 7-9th of January, 2005. I hope the experts will focus on the latest techniques in dentistry during the deliberations which will help the participants in updating their knowledge. I hope the Souvenir being released on this occasion will be highly interesting and informative.

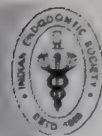
I take this opportunity to congratulate the organizers of this conference and wish the Conference a grand success.

Dr. R. Chandrashekhara



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Dr. S. Ramananda Shetty, M.D.S.,

Director, Medical Education.

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DIRECTORATE OF MEDICAL EDUCATION

Ananda Rao Circle, Bangalore-560 009.



MESSAGE

It is heartening to note that Federation of Operative Dentistry of India and Indian Endodontic Society is jointly organizing National Conference at Bangalore from 7th to 9th January 2005.

Conferences like this will give an opportunity for both delegates and participants to interact with each other in knowing the recent advances / developments made in the field of Operative Dentistry and also have a glimpse at the photo session made in the field.

I congratulate the organizing committee headed by my teacher Dr. S. Jagadish and organizing secretary, my former colleague at Government Dental College, Dr. Roopa R. Nadig for holding this conference here and bringing out a souvenir to commemorate this occasion.

I wish the conference a grand success and the delegates a pleasant stay at Bangalore.

With regards,

Director of Medical Education.



National Conference

19th Federation of Operative Dentistry of India
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Committed to Dental Excellence

I am extremely happy to know that Federation of Operative Dentistry of India and Indian Endodontic Society are holding Annual Conference on 7th to 9th January 2005 in the Garden City, Bangalore. In recent days, Bangalore is attracting national and international congresses because people get attracted to this wonderful city with excellent hospitality. No doubt, the Speciality Conferences are oriented for scientific activities and also it is indeed great pleasure meeting the old colleagues in speciality and the large number of youngsters who are full of energy to attend the conference.

Today, in the medical and dental scenario, Specialities are gaining great momentum. Everyone wants to have excellent treatment, so speciality have to play major role specially, Conservative Dentistry and Endodontics which is devoted for conserving natural teeth. I am sure this conference will debate with regards to modern scientific treatment and materials.

I wish the Conference all the best.

Thanking you,

Yours faithfully

For Indian Dental Association

Dr. B.S. Shetty

President - IDA



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



Message from President - FODI

Dr. B. Suresh Chandra, M.D.S

President : Federation of Operative Dentistry of India (2003-2005)

PRINCIPAL, Professor & H.O.D.,

Dept. of Conservative Dentistry / Endodontics

A.J. Institute of Dental Sciences Kuntikana, Mangalore - 575 004. Karnataka, India.

I am extremely pleased and excited about the national conference of Federation of Indian Endodontic Society being organized at Bangalore my hometown, for the 3rd time in succession. Dr. S. Jagadish and Dr. Roopa Nadig, the Chairman and the organizing secretary have done elaborate arrangements to make this conference as the best so far in the interest of FODI & IES. In the early 80's when we had our first conference at Bangalore, the FODI and IES were not together, while now we are one big organization with two separate identities. It is also a matter of great pride to all of us that one of the past presidents of the Indian Endodontic Society has now become the president of the Dental Council of India, Dr. Padmashree Anil Kohli of New Delhi. He was instrumental in forming the Indian Endodontic Society and has been responsible for taking both the FODI and IES to greater heights.

FODI has been very active during this year. The Federation hosted a workshop on dental material conducted by Dr. & Mrs. Vaidyanathan of New York University U.S.A. during November 2003 and I as the President supported several other CDE programmes around the country. It is also a matter of great pride for me that I will be chairing the annual conference along with the President of the Indian Endodontic Society.

Dr. Laxminarayan, Vice Principal, Professor and HOD at Savitha Dental College and Hospital, our General Secretary has been carrying out the stupendous task of the General Secretary. His contribution to the development of this Federation has been enormous. Dr. Vimal Sikri, the Editor of the Journal of the Conservative Dentistry has given a new facelift to the journal and has been doing excellent work during the past couple of years.

At this point of time I should remember with great respect the founders of FODI my teacher Dr. Professor B.P. Rajan, the former Vice Chancellor of the MGR medical university, Dr. Professor C.P. Govilla, presently the Vice Chancellor of Lucknow University of Health Sciences, Dr. Professor N. Rajeev Shetty, former Director of Medical Education and my teacher and many many others. I hope the incoming President will have more time and put in more efforts to take our Federation to greater heights in the years to come.

I wish the organizers of the conference all the best and to the delegates a feast of scientific knowledge.

Thanking you,

Dr. B. Sureshchandra
President - FODI



National Conference

19th Federation of Operative Dentistry of India
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Indian Endodontics Society

Message From President



Dr. Mrs. Avinash Talwar

B.D.S (CAL.) M.D.S. (BOM) F.I.C.D., F.A.D.L.,

I am delighted indeed to extend a very warm and cordial welcome to all registered delegates, spouses and trade participants on the occasion of the 19th FODI and 12th IES National Conference to be hosted by The Academy of Conservative Dentists and Endodontists of Bangalore at the golden city of Bangalore on 7,8 & 9th January 2005.

The organising committee is working very hard by organising scintillating exhaustive, educative and interactive scientific programme. The exposure gained from Pre-Congress courses, Video Conference and Scientific deliberations will be tremendous learning experience for the delegates.

I wish all of you a very meaningful, successful Congress and a very Happy Prosperous New Year.

Your Sincerely,

Dr. (Mrs.) Avinash Talwar

President IES,

B-7, Extn 7, Safdarjung Enclave,
New Delhi - 110029.



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



Federation of Operative Dentistry of India

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Dr. B. Suresh Chandra

Mobile : 94481 42041

Hon. General Secretary :

Dr. L. Lakshmi Narayanan

Phone : 044-2621 3020 (R)

Secretary's Report

Greetings from the head office. The functioning of the FODI has seen improvement under the constant guidance and encouragement of Dr. B. Suresh Chandra, President, FODI.

The success of any organisation is due to team effort and the co-operation of all the members. Both of these we have in full measure and I am particularly thankful to Dr. C.V.N Rao, Joint Secretary, FODI.



An EC meeting was conducted on 26th June 2004 at Kanyakumari. In addition to routine matters, discussions regarding the website, guest speakers and the scientific programmes in future conferences were discussed.

The PG convention organized by Dr. Ignatius Rex at Kanyakumari was a big success and was very well attended by staff and students from all over the country. Our Editor, Dr Vimal Sikri who is doing a commendable job has gone one step further and our journal is currently available on-line. This was inaugurated during the PG Convention.

As of today we have 582 members. I request all Heads of departments to ensure that their staff and PG students enroll as members of FODI.

I am extremely happy to report that in future the Best Paper award during the National Conferences and student conventions will be sponsored by GC India. In addition to a certificate, restorative materials worth Rs 10,000 for the National conference and Rs 5,000 for the student convention will be awarded to the winners. I on behalf of FODI place on record our thanks to Dr. M. Sriram, Country Manager, GC India for the same.

Hope to see you all in Bangalore.

Yours sincerely,

Dr. L. Lakshmi Narayanan
(Hon. Gen. Secretary)

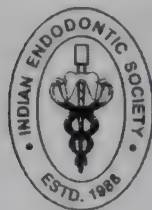


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8-7 Ext 7, Safdarjung Enclave
New Delhi - 110 029
Tel : 26164935 / 36



General Secretary
Dr. K.S. Banga
Nair Hospital Dental College
Dr. A.L. Nair Road, Mumbai - 400008
Tel : 91-22-2308 2714-17, Fax : 2524 3223
e-mail : bangaks@vsnl.com

Indian Endodontic Society Report of the General Secretary

Though the year from Varanasi to Bangalore has been a long one, but it just seems to have actually flown. The year saw a very well arranged and attended Post Graduate Convention at the picturesque Kanyakumari. Full credit to the Organising team led by Dr.Rex.

Our website has been attracting queries from all over the world for educational purposes, research projects and exchange programmes. The Society plans to expand the activities in a major way in the coming years.

As you all know, we are affiliated to the Asian Pacific Endodontic Federation and there is a regular Conference by the same body where we participate as member country. Dr.Naseem Shah was nominated as the Official speaker from India but due to certain problems could not attend and hence I was asked to represent the Country at the IFEA meet at Brisbane. Dr.Avinash Talwar, our president also attended the meeting.

25th October 2004 will be remembered for a very, very long time. This day saw the Election of our founder member and President-Elect as the President of The Dental Council of India. **Sir** was elected by a huge margin to the highest office making all of us feel very proud of our association with him.

An Executive Committee meeting was held in NewDelhi on 22nd Nov.2004. There have been Continuing education programmes in NewDelhi, Mumbai, Ahmedabad, Loni, Pune, and many other places across the country. Our membership strength has also grown tremendously and we are planning to have online Registrations for the same. Brochures for the APEC meet in Kuala Lumpur in May, 2005 are being dispatched to the members.

The membership process is still being streamlined to reach to various parts of the country which have not yet been actively attached to the mainstream Dentistry. The organizing committee of the Conference at Bangalore led by Dr.Jagdish and Dr.Roopa Nadig have worked really hard and have kept in constant contact with the Headoffice. I am sure it will be a grand show. My best wishes to the Organising team.

With the new President of DCI and the IES, we can expect a bumper harvest of knowledge, Information and Availability of techniques and materials at every level. Till we meet in Bangalore, I would like to wish each one of you a happy and peaceful 2005.



sd/-
Dr.K.S.Banga
General Secretary

OUR CHIEF GUEST - A PROFILE



Dr. Anil Kohli, an ever smiling, amiable gentle human being, the President of Dental Council of India, a dental surgeon par excellence, a name synonymous with success and a towering personality to reckon with has had excellent academic and post academic achievements. He has been an achiever in all his educational endeavours and has won innumerable accolades and awards starting from his alma mater at the King George Medical College, Lucknow, U.P.

Graduating in 1976 and being awarded a gold medal as the best House surgeon, Dr Kohli pursued post graduation in Conservative Dentistry and Endodontics and completed the same in 1978. His list of academic qualifications and proficiencies seem never ending as he continued to conquer a Diploma of the National Board Examination in USA, combined it with a fellowship from the American College of Dentists and back home a membership of the National academy of Medical Sciences in 1998.

Dr Kohli's career and path have been bedecked with achievements, acclaim and awards as lengthy as the Nile, starting from the gold medal as House Surgeon, only culminating with the exalted PADMASHREE being conferred on him by the President of India in 1992. Proud of its student, his alma mater accorded him the out standing achievement award in 1995 and nominated him to be on the executive committee of the King George's Dental university Lucknow.

Dr Anil Kohli, besides running a successful super specialty private practice for the last 25 years in the heart of the Capital New Delhi, is a member of the board of studies of several leading Educational institutions including the Aligarh Muslim University. Lucknow University, Bharatiya Vidyapeeth, Madhya Pradesh University and Himachal University.

His extra ordinary approach, dedication and experience over the years have let him lead and represent India in various forums the world over. Having more than 50 publications in national and international journals he has been the president of various dental societies/ associations and currently he represents India and Sri Lanka as the councilman for the International college of dentists. He is also a special invitee to ICMR to evaluate various research projects and has been Honorary Dental Advisor to the Government of India in the Ministry of Health and Family Welfare from 1985 to this date.



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society

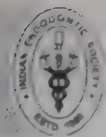


Dr. Kohli's social commitment being a Rotarian is laudable and worthy of emulation. He is also the recipient of an award from the Prime Minister of India for Social work and contribution in the field of Dentistry conferred by The International Punjab Society. Dr Kohli is on the consultant panel of reputed hospitals like Escorts Heart Institute and Pushpswati Singhania Research Institute in New Delhi. He is also Hon. Dental Surgeon to President of India for last 4 successive Presidents & currently Dentist to Prime Minister of India also. Starting off as a permanent invitee to the Dental council of India way back in 1992, Dr Anil Kohli has been instrumental in the success story of our council, being nominated member, elected as Executive member since 2000, finally reaching zenith as President of the Dental Council of India for the next 5 years.

As President Dr Kohli has strategized plans, and laid down goals and objectives for the council. He wishes to usher in a TEAM approach in running the activities of the Council with authority, autonomy and responsibility given to its members. Bringing in the much-needed transparency in all its dealings Dr. Kohli wishes to check unwanted speculation about the Dental Council. In line with the dramatic progress being made and to ensure that Dental practitioners stay abreast with the latest developments, Dr Kohli wishes to have more CDE programs and link it to renewal of Registrations.

Lastly and most importantly Dr Kohli intends to improve standards, check upkeep and functioning of all Dental Institutions under the council by surprise visits and audit by selected personnel.

To summarize, here is an excellent human being an achiever, a dreamer a planner and a leader who intends to lead from the front. The close knit family of Conservative Dentists and Endodontists as well as the entire fraternity of Dental surgeons are proud of Dr Anil Kohli and unitedly support him in his cause.



“BIODONTICS” – An Emerging Dental Speciality

Biodontics was conceptualized, developed and refined by Rossomando, a professor of Biostructure and Function, in the Uconn School of Dental Medicine in 1998. Biodontics applies molecular biology and biotechnology to clinical dentistry. It enables to train dental students, dental residents and dental school faculty in the best use of biotechnology to improve the oral health of the public. Biodontics promotes biotechnology to dentists. The vehicle is an innovative educational program to introduce the entrepreneurial process to dental students, faculty and practitioners.

This subject research originally focused on what could be done to improve the flow of technology from discoverers and manufacturers to clinicians. Biodontics can move more efficiently from scientists and inventors to dental practitioners.

Technology is at work in all dental offices from infection control to lasers in restorative dentistry, the use of computers for everything from imaging to record keeping. Most dentists realized that the introduction of new products and technologies into their practice is in the best interest of their patients, but existing office routines and habits can present obstacles to any change. This problem can be solved by educating the practitioners and show how new techniques would improve efficiency and delivery of care to their patients by Biodontics.

Early indication suggested that the regulatory process was unwieldy and needed reforms. A model was developed and a conference of stakeholders, inventors, entrepreneurs, manufacturers and end users was held. Further analysis revealed that manufacturers were sluggish in communicating their innovations and new products, which also impeded the flow of technology. But most importantly, the research ultimately found that it was the dental practitioner who was the critical determinant of success. If dentists are made familiar with what happens from the time an idea occurs to when it is patented, licensed, manufactured, tested, approved and finally marketed, the acceptance of new products into dental practice will be enhanced. The dentists should also realize that new products and technologies would allow them to treat larger number of patients more efficiently despite the time it takes to learn and incorporate these innovations into the practice. The practitioners have to be educated and show how new technology would improve efficiency and delivery of care to their patients.



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



The future of oral healthcare and product development will require a closer relationship among engineering material sciences, biology and genetics. The profession must be prepared to understand the emerging science disciplines and to apply new diagnostic and therapeutic approaches effectively and appropriately to patient care and community health.

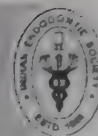
To conclude, new advances in stem cell biology, recombinant DNA technology, tissue engineering and molecular medicine are leading to the development of cutting edge approaches to dentistry both in repair and replacement of teeth. The current trend is moving from restorative to regenerative dentistry. Throughout the world, interdisciplinary research groups are using biotechnology methods to improve the treatment of exposed vital pulp, regenerate the dental supporting tissue and to develop natural biological fillings and even re-grow entire teeth from the body's own cells. These innovations in biotechnology will provide the discoveries to improve oral health of the patients and Biodontics provide the theoretical as well as practical framework to translate these discoveries into new technologies for dental office in future. Teaching Biodontics will shorten the period from concept to product.

Dr. K. Shashikala
*Professor, Dept. of Conservative
Dentistry & Endodontics,
R.V. Dental College, Bangalore*



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



Programme at a Glance

6TH JANUARY 2005, THURSDAY

9.00 am	-	5.00 pm	-	Preconference courses
7.00 pm	-	8.00 pm	-	Dinner
8.00 pm	-	10.00 pm	-	Video Conference

7TH JANUARY 2005, FRIDAY

8.00 am	-	9.00 am	-	Registration and Breakfast
9.00 am	-	11.00 am	-	Inauguration
11.30 am	-	1.00 pm	-	Keynote address
1.00 pm	-	3.00 pm	-	Lunch
1.00 pm	-	2.00 pm	-	Free papers
2.00 pm	-	2.30 pm	-	Guest lectures
2.30 pm	-	5.30 pm	-	Free papers
5.30 pm				AGM - IES

8TH JANUARY 2005, SATURDAY

7.30 am	-	8.30 am	-	Breakfast
8.30 am	-	10.00 am	-	Keynote address
10.00 am	-	11.30 am	-	Guest lecture-1
11.30 am	-	1.00 pm	-	Guest lecture-2
1.00 pm	-	3.00 pm	-	Lunch
1.00 pm	-	2.00 pm	-	Free papers
2.00 pm	-	2.30 pm	-	Guest lectures
2.30 pm	-	5.30 pm	-	Free papers
5.30 pm				AGM-FODI
7.30 pm				Banquet

9TH JANUARY 2005, SUNDAY

7.30 am	-	8.30 am	-	Breakfast
8.30 am	-	9.30 am	-	Guest lecture-1
9.30 am	-	11.00 am	-	Guest lecture-2
11.00 am	-	12.00 noon	-	Lecture on 'Mind and attitude'
12.00 noon	-	1.30 pm	-	Panel discussion
1.30 pm	-	2.30 pm	-	Lunch
3.00 pm	-		-	Valedictory Function



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



PRE CONFERENCE COURSES

CERAMIC - INLAYS / ONLAYS / VENEERS

Dr. Porus Turner M.D.S.

MODERN MANAGEMENT OF CARIES: RECOGNISE - REJUVENATE - REPAIR

Dr. Hien Ngo M.D.S.

ADVANCED ENDODONTICS USING PROTAPER HAND INSTRUMENTS

Dr. Raghu Srinivasan M.D.S. & Dr. Ramya Raghu M.D.S.

MICRO DENTISTRY WITH CARL ZEISS

Dr. P.D. Joshi M.D.S.

VIDEO CONFERENCE

Dr. CHARLES J. GOODACRE DDS, MSD

Dean, School of Dentistry, Loma Linda University, USA

Topic: Post Endodontic Restorations

FACULTY - INTERNATIONAL

Dr. LIEF K. BAKLAND DDS

Professor of Endodontics

Associate Dean, School of Dentistry, Loma Linda University, USA

Topic : Endodontic considerations in Dental trauma

Vertical Root fractures : Recognition & Treatment options

Dr. ALEX MOULE BDS (Hons) PhD, FADI, FPFS.

Associate Professor, Dept. of Endodontics, University of Queensland, Australia

Topic : Orofacial Pain - What the Patient is Telling You !

Patterns of Calcification and their Management

Dr. STEPHEN H.Y. WEI DDS, MS, MDS, FRACDS, FDSRCS

Honorary Professor and Professor emeritus-University of Hong Kong

Topic : Advanced Technologies and Clinical Techniques in Restorative Dentistry.

Dr. HIEN NGO BDS, MDS

Associate professor, Dental School, Adelaide University, Australia

Topic : Caries Management with Minimal Intervention

FACULTY INTERNATIONAL



Dr. LEIF K. BAKLAND DDS.

Professor of Endodontics.

Associate Dean, Advanced Education

School of Dentistry, Loma Linda University, USA

TOPIC : Endodontic considerations in Dental trauma

This presentation will provide the participants with the most current information about successful management of dental injuries such as tooth fractures, luxations, and avulsions. Specifically, emphasis will be placed on treatment priorities for traumatic injuries : Those that require urgent care, those less urgent, and those that can be delayed more than 24 hours. Finally, factors that determine the expected outcome will be presented. At the conclusion of the lecture, the participants should be able to recognise the various types of injuries, describe treatment priorities for dental injuries, and predict likely outcomes for both treated and untreated dental injuries. The presentation will be illustrated with numerous clinical cases, showing the various treatment approaches, including the use of MTA.

Vertical root fractures: Recognition & treatment options

Vertical root fractures can be divided into two categories : Teeth without prior root canal treatment, and teeth with root canal treatment. The latter group is the easier one to recognise and pain is usually not a significant factor. Extraction is often the only treatment for endodontically treated teeth which developed vertical fractures. The first group - teeth without prior root canal treatment - is known by many names : cracked teeth, greenstick fractures, incomplete fractures, and teeth with infractions. Diagnosis is often difficult and pain is frequently a significant factor. Treatment options include complete coronal coverage, root canal treatment, and extraction. The presentation will cover diagnostic procedures, treatment options, and assessment of outcome.



Dr. ALEX MOULE BSc (Hons) Ph D, FADI, FPFS.

Associate Professor, Dept. of Endodontics,

University of Queensland, Australia

TOPIC : Orofacial Pain - What the patient is telling you !

Patterns of Calcification and their management

The endodontic management of teeth is often complicated by calcifications which occur within the root canal system. These calcifications can result from a variety of chemical, environmental, traumatic, genetic developmental and systemic causes and conditions. Treatment planning is made easier if the cause of the calcification is recognised, and if treatment options are considered before appropriate treatment methods are applied. In this lecture calcification patterns are classified in anterior and posterior teeth, and treatment options and methods of treatment are proposed for the location of canals and the management of calcifications that can be found within root canal systems.

Orofacial Pain : What the patient is telling you parts 1 and 2 clinicians are called upon to diagnose pain on a daily basis. For the most part, diagnosis is a routine procedure, which is accomplished without much difficulty. Most painful conditions follow predictable patterns and exhibit specific signs and symptoms which, when observed, make diagnosis a relatively easy task. Patients do present, however, for whom diagnosis is extremely difficult and where pain patterns do not follow recognised norms.

Many of these difficult cases can have unsatisfactory outcomes for both patients and practitioners. Mistakes in diagnosis are often made when clinicians approach the diagnosis too quickly without first analysing a patient's



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



response to questioning. In these two lectures, emphasis will be placed on a method of diagnosis, which involves close observation of the patient (What is the patient telling me?), knowing which questions to ask (What should I ask?), analysing the answers received (What does that answer mean?, What else do I need to know?), and then performing appropriate tests to confirm a diagnosis. The lectures will be accompanied by comprehensive notes, which can be used for further reference.

Endodontic considerations in Dental Trauma



Dr. STEPHEN H. Y. WEI DDS, MS, MDS, FRACDS, FDSRCS
Honorary Professor and Professor emeritus-
University of Hong Kong
TOPIC : Advanced Technologies and
Clinical Techniques in Restorative Dentistry

Abstract : There have been major advances in dental materials and dental technology in recent years. Digital radiography is increasingly being adopted by clinicians, especially endodontists, implantologists and orthodontists. Digital photography is now routine practice in "high end" dental practices. Totally Digital dental offices are now a practical reality and examples of such practices will be shown.

Third generation LED lights, which deliver the precise wavelengths for resin polymerization, are increasing in use. In addition, the use of magnifier loupes and microscopes are routine practice in endodontics as well as in high end aesthetic dentistry practices in the USA.

Dentists can now enjoy the benefits of superior dentinal bond strength with 6th generation bonding agents that are simpler and faster and have minimal post-operative sensitivity. The advanced micro-hybrid composite system ushers in the 5th generation of composite resins. With a full range of colours, shades and transparencies, dentists can achieve superior aesthetics that is so natural that it is indistinguishable from the patients' own teeth.



Dr. HIEN NGO BDS, MDS
Associate professor, Dental School,
Adelaide University, Australia
TOPIC : Caries Management with minimal Intervention

Title: Latest Developments in Caries Management: from Prevention to Restoration

Abstract: Today, our understanding of the cause and progress of caries has changed to the extent that we have entirely new ways of managing the caries as a disease.

The philosophy of Minimal Intervention Dentistry is gaining in popularity around the world. In order to be effective, it requires an in-depth knowledge of prevention, remineralisation and adhesion. This approach requires that you first control caries as a disease, then repair the damage in the least invasive way. A total surgical approach is no longer needed as we are now able to remineralise and heal parts of a carious lesion.

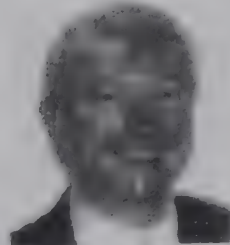
As minimum intervention demands early caries detection and very different cavity preparation, our traditional tools are no longer up to the task. Technological innovations in recent years have given us a host of new tools - it has also brought a multitude of confusing choices. This lecture will give you an integrated understanding of the concepts, clinical techniques and the equipment and materials you need to succeed using minimal intervention.

About the Speakers



Dr. Leif K. Bakland

Loma Linda University,
Loma Linda,
California USA



Dr Alex Moule

BDS (Qld), PhD, FPFA,
FADI Endodontist - Full-time
Private Practice

Dr. Leif Bakland is a 1963 graduate of the School of Dentistry, Loma Linda University in California. After eight years of general practice, he entered the endodontic residency at Harvard School of Dental Medicine/Forsyth Dental Center in Boston, Massachusetts, after which he stayed on to teach before moving back to Loma Linda University in 1976.

Dr. Bakland has been involved in education, research and publications, and professional organizations for over 30 years. He has been teaching endodontics at Loma Linda University and at many continuing education venues around the world. His research and publication interests include endodontics, immunology, and dental traumatology. In 1994, he worked with Dr. Jens Andreasen in Copenhagen on a World Health Organization fellowship to investigate treatment of intrusive luxations. Dr. Bakland has also been active in service to organized dentistry by holding many leadership positions in, among other organizations, the American Association of Endodontists, and the International Association of Dental Traumatology.

Dr. Bakland's current interest is the promotion of better understanding of treatment of traumatic injuries. He is a co-author of *Traumatic Dental Injuries* and *Endodontics* and has written chapters in several textbooks on the subject of dental trauma. He is an associate editor of the *Journal of Endodontics* and serves on the Editorial Board of *Dental Traumatology*.

He will be delivering the keynote oration at the conference and also a guest lecture on the following topics.

1. vertical root fracture
2. current trauma recommendations.

Alex Moule graduated with a BDS (Hons) from the University of Queensland in 1971 and completed his PhD in 1979. He taught for fifteen years in a number of universities around the world including the University of Queensland, the University of Sydney, Adelaide University and for a short time at the University of Toronto. In 1985-1986 he spent twelve months as a visiting scholar in the Department of Endodontics at the University of Washington.

Alex is a Fellow of the Academy of Dentistry International and of the Pierre Fauchard Academy, an Associate Professor at the University of Queensland, a LTCOL Consultant (Endodontics) in the Royal Australian Army and is Co-ordinator of the Brisbane Endodontic Research Group. He is an Independent Research Assessor for the Australian Dental Research Fund and for the National Health and Medical Research Council of Australia and a member of the Dentists Panel of Assessors for the Queensland Government.

Alex has been a member of the Australian Society of Endodontology for over thirty years. He was a foundation member of the Australian and New Zealand Academy of Endodontists and served as President from 1999-2001. He is on the editorial board of the Australian Endodontic Journal and has over fifty publications.

His fields of special interests are Endodontics, Pain Diagnosis and Treatment Planning. For the past sixteen years he has been in full-time Endodontic Practice in Brisbane.

He will be delivering two lectures on "Orofacial pain" and a third lecture on "Orofacial pain – what the patient is telling you?"



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



PROFESSOR STEPHEN H. Y. WEI,

BDS (Hon), DDS, M.D.S., MS,
FRACDS, FICD, FACD, FDSRCS (Eng.), FADI
FHKAM (Dental Surgery), FCDHK (Paed. Dent)
Diplomate, American Board of Pediatric
Dentistry

Professor Stephen Wei is Professor Emeritus of the Faculty of Dentistry of the University of Hong Kong and Former Dean, Faculty of Dentistry and Director of the Prince Philip Dental Hospital from 1989 to 1997. He was appointed Chair Professor and Head of the Department of Children's Dentistry and Orthodontics at the University of Hong Kong in 1984 and held his Chair professorship until 1998 when he retired from the University of Hong Kong. Prior to returning to Hong Kong, Professor Wei taught at the University of Iowa from 1967 till 1983 where he was Professor and Chairman of the Department of Pedodontics. In 1983-4, he was appointed Professor and Chair of Pediatric Dentistry and Vice-Chairman of the Department of Growth and Development, which encompassed Pediatric Dentistry, Orthodontics and Cranio-facial Development, at University of California, San Francisco.

He is Editor Emeritus and was the Founding Editor-in-Chief of Pediatric Dentistry, The Journal of the American Academy of Pediatric Dentistry (1978 - 1982). Professor Wei has published extensively, including over 60 chapters in books and monographs and more than 200 research and clinical papers and 180 abstracts. He is the author and co-author of many books including "Clinical Uses of Fluorides", "Pediatric Dentistry: Scientific Foundations and Current Practice." "Fluoride, An Update for Dental Practice" and Pediatric Dental Care", "Pediatric Dentistry: Total Patient Care" and "Occlusal Guidance in Pediatric Dentistry". He has supervised the research dissertations of more than 10 PhD candidates and about 30 masters' degree students.

He was the President of the International Association for Dental Research (1993 - 1994) and

the President of the South East Asian Association of Dental Educators (1993 - 1994). He has been bestowed Honorary Professorships in many Universities in China including the Peking University, Wuhan University, the Sichuan University, the Second Medical University, the Ninth Peoples' Hospital in Shanghai, Tongji University in Shanghai and the Sun Yat Sen University of Medical Sciences in Guangzhou and Kaoshiung University in Taiwan.

Professor Wei has been active in FDI for many years and has attended every FDI meeting since the early 70's. He served as consultant to many committees and a member of the FDI Commission for several years. In Hong Kong, he works closely with Dr. Choo Teck Chuan in developing the Regional FDI Continuing Education Programs in many developing countries in Asia. He has lectured extensively all over the world and has organized many Continuing Education Conferences both in Hong Kong and in other countries in Asia. He and is Consultant, Professional Education for Dentsply Asia. In that role, he has edited many colored monographs and organized many Aesthetic and Restorative Forum and the Endodontics Forum. He is an active member of the Professional Education Committee of the Hong Kong Dental Association.

Professor Wei is the founding President of the College of Dental Surgeons of the Hong Kong, Academy of Medicine and served as its Inaugural President for many than 5 years. He was a member of the Interim Council of the Hong Kong Academy of Medicine from its inception and served on the building committee for one year. He was the Chairman of the Board of Examiners of the Hong Kong Dental Council Statutory Examinations for Licensure of overseas dentists in Hong Kong. He now has a part-time private practice in Hong Kong.

He will be delivering a guest lecture of one and half hours duration on "Advanced Technologies and clinical techniques in Restorative Dentistry"



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



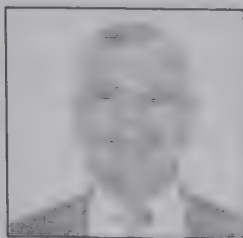
Hien Ngo

BDS, MDS, FADI, FICD, FPFA

Dr. Ngo has extensive experience in private practice, research and education. He qualified in dentistry at the University of Adelaide in 1982 and completed a Master of Dental Surgery in fixed prosthodontics in 1990. Dr. Ngo was the principal of a general practice located in the business district of Adelaide. With a staff of five, he delivered good dental care based on the philosophy of Minimal Intervention over a period of 20 years. In research, he is active in the areas of dental materials and cariology, he was appointed Visiting Research Fellow to the Adelaide University in 1998, Research Director of the Colgate Australian Clinical Dental Research Centre, Adelaide University in

1999 and Research Consultant of the centre in 2003, Associate Professor, working in the fields of Dental Biomaterials and minimal Intervention Dentistry, to the Adelaide University in 2004. At present, his main focus in research revolves around the management of caries and the interactions between the glass-ionomers and the dental tissues. He has been a technical consultant to several dental organisations and was co-inventor of several dental products. As an educator, he has published and lectured extensively in Australia and internationally on the above topics. He was instrumental to the establishment of the "Minimal Intervention 2020" projects in Adelaide and other dental schools in South East Asia. He serves on the board of the Academy of Minimally Invasive Dentistry and the editorial board of Journal of Dentistry and Journal of Oral Health and Preventive Dentistry.

VIDEO CONFERENCE



Dr. CHARLES J.

GOODACRE DDS, MSD
Dean, Loma Linda University of
Dental School, USA

Date : 06-01-2005

Time : 8.00 pm to 10 pm

Venue : NIMHANS Convention Centre

Lecture : Live Interactive Session by
DR. CHARLES GOODACRE,
Dean, Loma Linda University.

Topic : POST ENDODONTIC RESTORATION



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



FACULTY - NATIONAL

Dr. B. SURESH CHANDRA MDS

Principal, A.J. Shetty Dental College, Mangalore

Topic : Operative Dentist - Architects of Restorative World

Dr. D. KANDASWAMY MDS

Professor & Head, Meenakshi Ammal Dental College, Chennai

Topic : Passion Parade

Dr. M. PREMANAND KAMATH MDS

Professor & Head, College of Dental Surgery, KMC, Mangalore

Topic : Debride, Disinfect and Dissolve for Endodontic Success

Dr. VIMAK SIKRI MDS

Professor, Govt. Dental College, Amritsar

Topic : Managing Endodontic Failures

Dr. MRS. K.K. WADHWANI MDS

Professor & Head, CSMM University, Lucknow

Topic : Endodontic Mishaps & their Management

Dr. USHA C. MDS & Dr. SATYANARAYAN R. MDS

Professors, Rajah Muthiah Dental College & Hospital, Annamalainagar

Topic : Canal Preparation - The Logistic Approach

Dr. S. JAGADISH MDS

Professor & Head, R.V. Dental College, Bangalore

Topic : Nano Dentistry

PANEL DISCUSSION

Topic : Contemporary Endodontics

Panel Members : Dr. B. Suresh Chandra

Dr. Naseem Shah

Dr. Raghu Srinivasan

Dr. Leif K. Bakland

Dr. Alex Moule

Dr. L. Laksmi Narayanan

Moderator : Dr. Jacob G. Daniel

DENTAL QUIZ

Open to all post graduate students

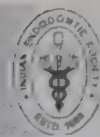
Preliminary round : 6th January 2005 at 6.00 p.m.

Final round : 7th January 2005 at 5.30 p.m.



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



Guest Lecture - Dr. B. Suresh Chandra, Principal, A.J. Dental College, Mangalore

Operative Dentist - Architect of Modern Restorative World.



The speciality of operative dentistry has come a long way from G.V. Black to Graham mount. From silver amalgam to most superior composites to glass ionomers and combination of materials have hit the commercial market. Alternatives to silver amalgam has been the cry from the roof top but the scenario remains the same for those who continue to use silver amalgam as a mainstay material for posterior teeth. Composite resins and dental bonding systems have created revolutionary changes in the management of dental caries and esthetic situations. While caries is on the decline in certain parts of the globe, in other areas it is on the increase. With the minimal intervention concept and increased knowledge of dental caries, there has been too many changes in the speciality area of operative dentistry. Biocompatible, Biomimetic, Esthetic, Re-mineralizing materials are all in the market place.

Tremendous thoughts are in circulation with regard to management of deep Dental caries or carious exposed pulp. Tissue engineering and stem cell research all circling around the operative dentist.

Ultimately it is the operative dentist by whatever name you call him/her is the architect of modern restorative world.

Guest Lecture : Dr. Kandaswamy,

Prof. & HoD, Meenakshi Ammal Dental College, Chennai



Passion Parade

The parading of so many branded supports to a restoration by the manufacturers have actually replaced the tailormade options. This paper makes an attempt to review both the options to the support required for post endodontic restorations

Guest Lecture : Dr. Premanand Kamath

Professor and HoD, Manipal College of Dental Sciences, Mangalore - 575 001



**Debride, Disinfect and Dissolve for
Endodontic Success**

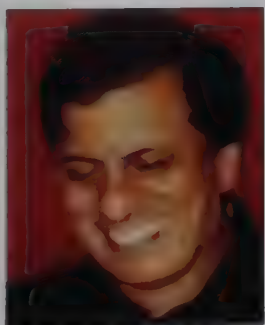
The Prime objective of root canal therapy is the retention of pulpally and periapically involved teeth with their associated periapical tissues in a healthy state. Meticulous removal of the organic contents and the contaminated intracanal dentin wall is required to attain suitably prepared root canal system, prior to obturation. Enlarging or shaping of the canal alone is ineffective as the root canal system contains remarkably complex morphology.

Chemical irrigating solutions are therefore unquestionably indispensable aids in achieving thorough debridement and disinfection of the canal during shaping procedures.

This presentation attempts to summarize current status of the various irrigating solutions and their mode of use.

Guest Lecture : Vimal K. Sikri

Professor, Govt. Dental College, Amritsar



Managing Root Canal Failures

Abstract : Describing parameters of success and failures, the presentation will highlight the probability of failures as regard the diagnostic failures, failures during preparation of root canals, and during obturation. Also endodontic mishappenings will be discussed. The also the concept of resinifying therapy.

Guest Lecture : Dr. Jagadish Professor & Head, R.V. Dental College, Bangalore



NANODENTISTRY - A PEEK INTO FUTURE

Nanodentistry will make it possible to maintain a comprehensive oral health care. Future technology and innovations may lead us to use nanomaterials, biotechnology, tissue engineering and ultimately dental nanorobotics (nanomedicine)

The options for dental treatment include a novel method of oral analgesia/anesthesia, treatment of dental caries, root canal treatment, permanent hypersensitivity cure, orthodontic treatment etc.

Fifty years from now we may possibly see cavity free teeth, ageless teeth, augmentation thinning of mandible by diamond, nanoveneers using sapphire, dentition replacement, nanorobotic dentifrice and nano implants.

Guest Lecture : Dr. (Mrs.) K.K. Wadhwani

Professor & HoD, Dept. of Operative Dentistry, Faculty of Dental Sciences, U.P.,
King George Univeristy of Dental Sciences, Lucknow



Endodontic Mishaps and Their Management

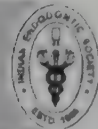
Abstract : Endodontics is definitely a modern trend in the dental discipline. The endodontist is faced with a daily continuum of clinical situations requiring an integration of facts, experiences, interpretations applications and analyses. Nickle-titanium alloys (Ni-Ti) have bought a major revolution in clinical and digital radiography have enhanced the quality of care. However, as the complexity of cases undertaken has increased the clinician is faced with unfortunate occurrence of procedural accidents or endodontic mishaps. As for example instrument separation has been and still is the major concern for clinicians who are using or those who contemplate the use of Ni-Ti rotary instruments

The occurrence of a procedural mishap may negatively influence the treatment outcome and may place the long term prognosis of the treated tooth in jeopardy. Hence, this presentation has been taken up to highlight the causes and recognition of endodontic mishaps and to encourage a preventive and problem solving approach in the determination of success and avoidance of treatment failure.



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Guest Lecture : Dr. Usha C. & Dr. Satyanarayanan R.

Professors, Rajah Muthaiah Dental College & Hospital, Annamalainagar



Canal Preparation - “The Logistic Approach”

Abstract: Successful Endodontic Therapy demands optimal root canal preparation and three dimensional obturation of root canal system. The objectives of canal preparation, as stipulated by Schilder can be achieved effectively by using rotary Nickel Titanium instruments of any system has escalated the cost of root canal therapy, owing to its limited number of use, along with its high cost.

This lecture discuss the logical approach in canal preparation which is cost effective, yet an predictable way to prepare the root canal system.

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- Vacuum Suction High & Low vacuum Motorised
- Chair Mount Unit: Modular delivery system hanging cords only
- A-rotor - Two Points
- Choice of Handpiece: Titanium cellular, optic Fiberoptic, Ultrasonic, Super Torque, Miniature & Standard
- Micromotor: Supreme 35,000 rpm, Mighty brushless micromotor 40,000 rpm
- Scaler: Piezotronic NSK / EMS scaler with 3 scaling tips
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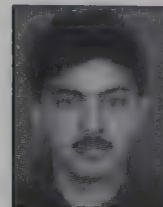
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01

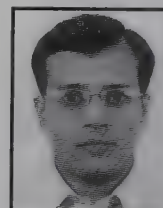
Name : DR. VASUDEVA BALLAL
College : MANIPAL COLLEGE OF DENTAL SCIENCES
Designation : Assistant Professor
Title : Knock out the smear layer with acid wash
Abstract :



Endodontic therapy may be thought of a tripod with a perfectly treated tooth on a pedestal and every leg representing a basic phase. Hence Louis I. Grossman said " what comes out is important than what goes in" related to endodontic therapy. Smear layer is an avenue for leakage and a source of substrate for bacterial growth and ingresses. Hence the removal of smear layer is important for the success of the root canal therapy. Malic acid is a mild acid conditioner which is used in adhesive dentistry. It has not been tested or evaluated against the endodontic smear layer. Hence this study was conducted to evaluate the actions of combination of malic acid and the chelating agent with sodium hypochlorite in removal of smear layer on the dentinal walls during root canal therapy.

02

Name : Dr. PRASHANT .A. HATKAR
College : PIMS Rural Dental College
Designation : Assistant Professor
Title : IS YOUR GP HOT, HOT, HOT....?
Abstract :



The Field Of Endodontics has had a tremendous impact of the technological advances and vast improvements in the scientific knowledge over the last decade. The conventional stainless steel hand instrumentation techniques have been replaced by the revolutionary Ni-Ti rotary systems.

The more tapered cone form of the canal now obtained by Ni-Ti rotary shaping is not very amenable to being obturated by traditional lateral condensation technique and demands for use of some form of thermoplasticized GP to develop A THREE DIMENSIONAL compact filling

This paper aims to highlight the paradigm shift in the contemporary approach of instrumentation and thereby " Must Have" need to adopt better suited techniques to obtain a perfect seal of the root canal system.

03

Name : DR. ARCHANA SRINIVASAN
College : Manipal College of Dental Sciences
Designation : Assistant Professor
Title : Esthetic Oral Rehabilitation - Management of a case of fusion
Abstract :



Developmental anomalies of oral tissues provide dentists with the rare opportunity to play God and though not to perfection, each in his/her own way strive to best provide the patient with the occlusal harmony, function and esthetics. The paper reports the management of a case of fusion of maxillary central incisor with supernumerary tooth. There was unilateral microdontia of the left quadrants with severe attrition of the posterior teeth. A multidisciplinary approach of treatment was decided which included periodontal rehabilitation, esthetic management of the anterior teeth with Endodontic intervention wherever necessary and establishment of occlusion.



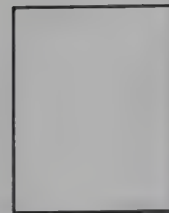
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04

Name : DR. S. HEMAMALATHI
College : Meenakshi Ammal Dental College, Chennai
Designation : Assistant Professor
Title : The Future Rehabilitative Composite
Abstract :



Fiber reinforced composites have better mechanical properties when compared to conventional composites. The use of FRC materials in various clinical situations such as diastema closure, cleft rehabilitation and management of fractured anteriors have been explored and discussed in detail with case reports.

05

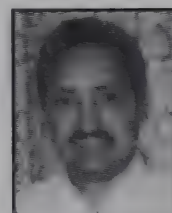
Name : DR. SRIDHAR REDDY
College : Saveetha Dental College
Designation : Lecturer
Title : Evaluation of Marginal seal of various bevels
Abstract :



An esthetic smile has been the objective of mankind from days immemorial. Composites are being used successfully for achieving this. The changes offered by composite technology pushed the conventions and traditions to the background and paved the way for newer concepts. The marginal adaptation of the restorative materials to the cavity walls is a main factor to enhance the clinical longevity of the restoration. The marginal seal at the gingival cavosurface margin of class II cavity preparation is also an important factor but has gained only very little attention. So this invitro study was done to evaluate the amount of leakage of various bevels at the proximal surface of a class II composite resin restoration with and without a flowable liner using a fluorescent dye Rhodamine B.

06

Name : DR. SANJAY TEWARI
College : GOVERNMENT DENTAL COLLEGE, PGIMS ROTAK.
Designation : PROFESSOR ANF HEAD
Title : Effect of Cutting Speed on Bond Strength of Composite to Dentin under Simulated Pulpal Pressure
Abstract :



Recent dentin bonding agents have been claimed to attain bond strength higher than 20 Mpa. However these studies have been performed on the flat surfaces prepared by silicon carbide paper without maintaining the intra pulpal pressure. In this study, simulated pulpal pressure of 25mm Hg equivalent to 34 cm H₂O was created by false pulpal chamber filled with distilled water. Class II cavities were prepared with different types of burs in airtor and micromotor and restored with Prime & Bond NT after etching with 38% phosphoric acid followed by composite restoration. The results of the study showed mean bond strength ranging from 0.67 Mpa and 7.21 Mpa and the bond strength achieved with airtor was found significantly higher than micromotor (P<0.05). The results indicated that the speed of the bur significantly affects the bond strength of Prime & bond NT bonding agent.



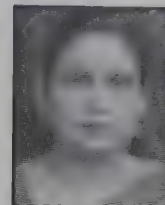
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07

Name : DR. SHIKHA TEWARI
College : Govt. DENTAL COLLEGE PGIMS ROHTAK
Designation : Reader
Title : Dilemma in the diagnosis and management of Periodontal Endodontic lesions



Abstract :

Periodontal tissues and the pulp-dentin complex forms an intimate continuum through which pathological changes of their one may lead to infection of the other and whose management can be fraught with diagnostic and therapeutic difficulty. This article explains the nature of that relationship to provide pointers, which may assist in diagnostic process, thus enable appropriate management from the outset. It also describes the role of chair side microbiology examination in 20 clinical cases where the differentiation of an endodontic lesion and periodontal lesion was difficult, with the traditional diagnostic indicators. The healing potential of such lesion after endo and/or perio therapy is also discussed.

08

Name : AFROZ ALAM ANSARI
College : DR.Z.A. DENTAL COLLEGE, UP
Designation : Lecturer
Title : Sealing ability of glass ionomer cements and compomer



Abstract :

Although occlusal surface constitute only about 12.5 percent of the total tooth surfaces, they develop more than two thirds of the total caries in children because of pits & fissures on these surfaces. This study was undertaken to compare sealing ability of two glass ionomer cements & compomer in thirty freshly extracted human posterior teeth. After restoring the occlusal surfaces of the teeth with these materials the teeth were immersed in methylene blue dye before being sectioned. These were no significant differences found among materials used in the study. The marginal dye penetration was found least with flowable compomer, which showed better enamel penetration. Both the glass ionomer cements showed satisfactory penetration into the enamel fissures. All the materials showed minimal surface dye penetration.

09

Name : DR. PRAMOD MENON
Designation : Consultant Endodontist
Title : Custom made Miracle Mix Vs Contemporary Core Build up material Compressive Strength - An In Vitro Study



Abstract :

Badly broken down or mutilated teeth are common occurrence in dental practice. The proper selection of core build up material for managing such teeth has always been a grueling endeavor. The present study was done to evaluate the compressive strength of custom made Miracle Mix at three different ratios by weight against three contemporary core build up materials (Silver amalgam, Composite resin and Miracle Mix).

Specimens were prepared according to manufacturer's instructions for silver amalgam, composite resin and Miracle Mix (GC Corporation). The custom made miracle mix was prepared by combining silver alloy powder to glass ionomer powder at three different ratios i.e., 1:7, 1:5, 1:3. The evaluation of compressive strength was done using universal testing machine (Lloyd 100K). The results were tabulated and statistical analysis done.

10

Name : DR. HEMALATHA

Designation : Consultant Endodontist

Title : Evaluation of efficacy of rotary NiTi instruments using endogram - An invitro study



Abstract :

Cleaning and shaping is the important step in endodontic therapy.

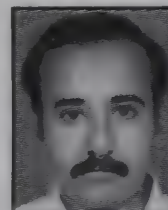
Recently various rotary NiTi instruments have been introduced for the improvement of cleaning and shaping procedure. But the efficacy of these instruments is still elusive. The aim of this study was to compare the efficacy of three rotary NiTi instruments using Endogram and Computerized imaging method. The parameters evaluated were shaping ability, canal aberrations, amount of dentin removed and centering ratio. Distal roots of forty freshly extracted mandibular molars were selected for the study. The specimens were radiographed preoperatively using direct digital radiography after injecting radiopaque dye and evaluated. The results were tabulated and statistically analyzed.

11

Name : DR. S.SENTHIL KUMAR

Designation : Consultant Endodontist

Title : Which Technique Ticks?



Abstract :

Composite resins are the most commonly used direct esthetic restorative material. Despite improvements in material properties and restorative techniques a cavity with its margins in dentin / cementum presents many difficulties. Clinical problems like post operative sensitivity and marginal discoloration occur due to microleakage. This in vitro study compares the effect of different techniques of filling, curing, finishing and polishing on reducing microleakage in posterior resin composite restorations.

12

Name : DR. PRASAD R NAYAK

Designation : Consultant Endodontist

Title : Hybrid Approach to NICKEL-TITANIUM rotary instrumentation



Abstract :

Since the introduction of first Ni-Ti endodontic files in 1988, Ni-Ti hand files and rotary instruments have become popular because of advantages such as superiority in managing curved canals, decreased incidence of canal transportation, ledging, operator fatigue and post-operative sensitivity. Currently several types of Ni-Ti systems are available. Each system is unique with respect to its design and has inherent advantages and disadvantages. The idea of hybrid concept is to combine different file systems and use different instrumentation techniques to manage individual clinical situations to achieve best cleaning and shaping results with fewer procedural errors. This presentation reviews the concepts behind different instruments and outlines the stages and the rationale behind the hybrid concept of Ni-Ti rotary instrumentation.



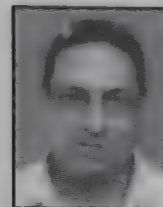
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13

Name : DR. RAHUL D RAO
College : G.D.C., Mumbai
Designation : Lecturer
Title : Evaluation of Apically Extruded Debris, Irrigant and solvent using three different techniques for retreatment



Abstract :

Apical extrusion of debris and irrigant during retreatment and subsequent mid-treatment flare-up is one of the common problems encountered during endodontic practice. The purpose of this study is to quantitatively measure the amount of debris, irrigant and organic solvent used for retreatment using three different instrumentation techniques. Thirty single rooted teeth were randomly assigned to three groups of ten teeth each. Each was prepared to apical size # 30 and obturated with gutta-percha and sealer. These teeth were then retreated with controlled applications of chloroform using three different instrumentation techniques. Group I : with GG drills #3, #2, #1 followed by hand instrumentation using Flexo files, Group II : with Profiles 0.04 series using crown-down technique. Group III: with hand Pro Tapers using crown-down technique. Overall the engine driven rotary Ni-Ti system and Hand Pro Taper system were associated with less apical extrusion.

14

Name : DR. LAKSHMI ARAVIND
College : RAJAS DENTAL COLLEGE, KAVAL KINARU,
TIRUNELVELI, DIST - 627104
Designation : Staff
Title : Cleaning of Rotary NICKEL-TITANIUM instruments



Abstract :

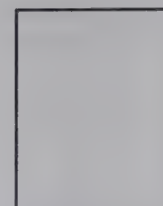
New rotary instruments were contaminated by preparing canals of extracted teeth. Three factors were evaluated to develop an effective cleaning sequence.

1. Dry or moist storage before cleaning
2. Mechanical removal
3. Chemical dissolution with ultrasonication.

Debris on flutes were scored after staining insitu with Van Giesons solution at x 45 magnification. Debris was classified as stained or unstained particulars debris and organic film, and rated as more, slight, moderate or heavy.

15

Name : DR. T.P. NARASIMHA BHARADWAJ
College : MEENAKSHI AMMAL DENTAL COLLEGE
Designation : Lecturer
Title : Self - Etched (Che) mystery



Abstract :

'Self -etch' system presents a logical step in the evolution of contemporary dentin adhesive although few studies have explained the mechanism of action of self etch adhesives the exact chemistry is still obscure. This paper explains a new hypothesis for the mechanism of action of self etch systems with comparative evaluation of five recent self-etch systems.

16

Name : DR. SOWMYA SHETTY
College : A.J.INSTITUTE OF DENTAL SCIENCES, MANGALORE
Designation : Lecturer
Title : Bitter Sweet Cane
Abstract :



It has become part of our shared knowledge that "sugar is bad for you". Although said to cause a wide variety of diseases like coronary heart disease and diabetes, the only disease directly linked with sugar seems to be Dental Caries, and even there it is a causative agent only in contribution with other factors such as structural resistance of the teeth, genetic disposition, oral hygiene, oral micro flora and salivary flow. Although our use of honey predates it, sugarcane has been in India before 400 B.C. We have had a long relationship with sugarcane. May be it is time we take another look at this much used and abused specimen of the plant kingdom.

17

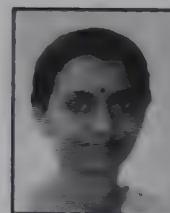
Name : DR. N.VELMURUGAN
College : MEENAKSHI Ammal Dental College & Hospital
Designation : Assistant Professor
Title : Canal Networking - Unravalled
Abstract :



A basic knowledge about the root canal-anatomy and its variations is necessary to achieve success in Endodontics. In this paper we discuss, some of the complex root canal morphologies with case reports.

18

Name : DR. SHASHIKALA. K.
College : R.V. Dental College
Designation : Professor
Title : Dental Identification in Forensic Odontology
Abstract :



Forensic Odontology is a branch of Forensic Medicine and, in the interest of justice, deals with proper examination, handling and presentation of dental evidence in a court of law to separate truth from untruth.

Identification of humans using the features of teeth and jaws have been used since Roman times. Dental identification has long been considered a reliable method, to accomplish this when other methods, because of body conditions are not available. Teeth provide investigators and forensic experts with an excellent resource for identifying people involved in catastrophic situations and missing persons cases. The protective quality of human tooth keeps the inner pulp safe and can preserve this tissue even under the most extreme external condition. This paper highlights the objective findings, particularly those unique to the individual, which has helped in solving otherwise unsolved mysteries.



National Conference

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19

Name : DR. R. SUJEER
Designation : Consultant Endodontist, Staff, Saneetha Dental College
Title : Dental Practice Management

Abstract :

Need for Practice Management - Areas of Management, Office Time, Personal Health, Finance, Stress and wholistic management



19a

Name : Dr. AJITHA .P
College : Saveetha Dental College
Designation : Lecturer
Title : Root Dentin Bonding - An SEM Evaluation

Abstract :

Bonding to dentin has become one of the most interesting and challenging topics in restorative dentistry. But, there are controversies regarding the coronal dentin bonding and a perfect bonding system is still elusive. In this stage bonding to root dentin is considered to be more complicated because of the root dentin morphology and its accessibility. The aim of this study was to evaluate the morphology of root dentin, the etch pattern of root dentin and the bonding characteristics of both endo treated and non-endo treated teeth. Forty non-carious freshly extracted human anterior teeth were used for this study. The teeth were randomly divided into three groups. Ten teeth in Group I, ten teeth in Group II and twenty teeth in Group III. Group I - Analysis of root dentin morphology, Group II - Analysis of each pattern of root dentin and Group III - Analysis of bonding characteristics of root dentin. The results were tabulated and statistically analyzed.



20

Name : DR. POOJA GUPTA
College : Kothiwal Dental College & Research Center
Designation : Senior Lecturer
Title : In-vivo evaluation of efficacy of mineral trioxide aggregate as a perforation repair material

Abstract :

Endodontic perforations result in permanent damage to the periodontal attachment, proliferation of epithelium and continual bone loss with eventual loss of teeth. The choice of repair material is an important factor in treating such teeth because the prognosis is affected by the biocompatibility of the material and its ability to seal hermetically. The present in vivo study was undertaken to evaluate the efficacy of Mineral Trioxide Aggregate (M.T.A.) as a perforation repair material clinically as well as radiographically. Patients with perforations in their teeth were selected and after proper history taking, clinical and radiographic examination, it was decided to repair the perforations with M.T.A. After successful repair, endodontic treatment was completed and teeth were restored with metal ceramic crowns. The patients were then recalled after six weeks, three months, six months, and one year for clinical and serial radiographic examination. The results obtained were statistically analyzed using Mc Nemar test. Based on the results, it can be concluded that M.T.A. is an ideal material for perforation repair because of its sealing ability and excellent biocompatibility.





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21

Name : DR. L. KRISHNA PRASAD
College : K.V.G Dental College., Sullia
Designation : Reader
Title : Insult to pulp and its reaction - a review
Abstract :



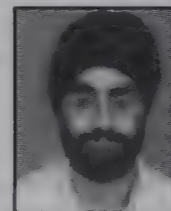
Fluoride as an agent reduces or prevents dental caries. Although, theoretically caries can be eliminated, still it is a significant health problem. If caries neglected will be the most common cause of pulp disease.

Of the various forms of dental treatment, operative procedures are the most frequent cause of pulpal injury. Trauma to the pulp cannot always be avoided, particularly when the tooth requires extensive restoration, the competent clinician, by recognizing the hazards associated with each step of the restorative process, can often minimize trauma to preserve the vitality of the pulp.

The purpose of this review paper is to discuss various research findings on caries and to help the clinician to understand pulpal responses to caries and current thinking on the cause of pulpal reaction to various restorative materials and procedures.

22

Name : DR. KAMALJEET S. SEHDAVE
College : Baba Jaswant Singh Dental College
Designation : Senior Lecturer
Title : Gear Reduction - Path to the apex.
Abstract :



This study is conducted to compare three gear reduction systems and operator Proficiency using ProFile NiTi rotary instruments for preparation time, file breakage and canal transportation. 48 resin blocks with simulated root canals of 400 curvature at the apical 1/3 were used for the study. They were divided into 2 groups (I & II) to be prepared by an experienced operator. The two groups were further subdivided into three groups (I, II, III) of 8 blocks each and each subgroup was instrumented with NSK, Anthogyr and Technika ATR motor respectively. Various parameters assessed during the study were preparation time, instrument failure, canal form and transportation. The amount of transportation was assessed at three levels at the apex. 6 mm from the apex and 10 mm from the apex, for the inner and outer curvatures. The results were analyzed statistically.

Name : Prof. BEENA RANI GOEL
College : PMNMDC, Bagalkot
Designation : Professor & H.O.D.
Title : Role of Light Speed instruments in optimal apical preparations
Abstract :



Apical canal enlargement is critical factor for successful endodontics. When the apical canal enlargement exceeds the diameter of uninstrumented canal, optimum cleaning and disinfection of the root canal system can be accomplished predictably. As instrument sizes increase, the number of bacteria decreases. An undersized apical preparation definitely compromises treatment.

Flexible rotary instruments made of nickel titanium have revolutionized root canal preparations. However, NiTi instruments can still transport and ledge canals, particularly with increasing tip sizes and tapers. Instrument design that takes maximum advantage of the material should be considered.



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19th Federation of Operative Dentistry of India
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'Light Speed' instruments are designed very differently from all other nickel titanium rotary instruments. The design gives you the ability to negotiate canal curvatures, 'feel' canal diameters and instrument to an apical size large enough to clean all walls of the canal.

The flexible shaft allows the cutting head to accurately follow the curves of the canal and the short cutting head greatly reduces torsional stress on the instrument. The non-tapered design provides very accurate tactile feedback so that apical gauging and correct apical preparation sizes can be achieved. Featuring a very short cutting blade and smooth, non tapered, flexible shaft, they are well suited for apical instrumentation, especially as tip sizes increase. Another advantage of the LightSpeed instruments is that in case of instrument separation, it occurs near the handle, which makes it easier to see and remove the fragment.

Name : Dr. TARUN GUPTA
College : A.I.I.M.S., Delhi
Designation : Staff
Title : An unusual case of dentigerous cyst associated with endodontically treated primary molar



Abstract :

Occurrence of cyst in relation to pulpally involved deciduous teeth is uncommon. The lesion could be either periapical or dentigerous (follicular) cyst; the former being more common than the later. Periapical cyst in deciduous teeth comprise only 0.5-3.3% of all radicular cysts in both the dentitions. The reported incidence of dentigerous cysts is also low, 1.44% in both the dentitions. We present an unusual case of a follicular cyst in relation to #45, which appeared 6 years following endodontic treatment in #85, in an eleven-year-old boy.

The paper will discuss the etiology and histo-pathogenesis of dentigerous cyst formation in a succedaneous tooth, following endodontic treatment in a deciduous tooth.

23

Name : DR. VIVEK HEGDE
College : M.A.Rangoonwala CODS, Pune
Designation : Associate Professor
Title : Life after death - MTA to the rescue !
Abstract :



Handling of iatrogenic perforation defect is quite a task with regards to hemostasis and controlled placement of restorative material. On literature search various root canal repair materials have been advocated. One such material that comes close to its expectations is Mineral Trioxide Aggregate (MTA). This paper will present a clinical picture on various aspects of M.T.A.

24

Name : DR. R.S. MOHAN KUMAR
College : Saveetha Dental College and Hospital
Designation : Lecturer
Title : Evaluation of four post systems at various stages of restoration - An invitro study
Abstract :



Endodontically treated teeth with insufficient tooth structure necessitates the use of root canal space for retention of core and subsequent restoration. The advent of adhesive technology has given a new dimension



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to the post systems. The aim of the present study was to evaluate four post systems over four simulated clinical stages of restoration, to determine the fracture resistance and the mode of failure, using a universal testing machine. The different simulated clinical stages are 1. Flexural strength 2. fracture resistance of post bonded to tooth 3. stage 2 with core placement, 4. stage 3 with crown placement. The results were tabulated and statistically analyzed.

25

Name : Dr. VINOD KUMAR .R
College : A.M.E's Dental College
Designation : Faculty
Title : The Ultimate Rotary File ???
Abstract :



Nickel titanium rotary instrumentations has been one of the greatest advances in modern endodontic practice. Rotary instrumentation has made endodontics easier, faster and most importantly better.

However, we must remain vigilant in this pursuit of endodontic procedures being performed safe and in a predictable manner. The instruments and techniques utilized should provide a combination of efficiency and safety.

This presentation will describe the instrument design, technique and unique features of the recently introduced rotary file K3 along with the clinical cases treated by the author.

26.

Name : Dr. SHARATH CHANDRA
College : Siddarth Institute of Dental Sciences
Designation : Principal & H.O.D.
Title : Onlays as posterior post endodontic restorations
Abstract :



onlays are the best alternative for full crowns for posterior teeth as a post endodontic restoration because it is conservative, aesthetically more acceptable and maintains better gingival health. But the general opinion among practitioners is that onlays are less retentive and requires a meticulous preparation.

Since 1987, I have delivered atleast 150 onlays and had the opportunity to review 100 onlays. I would like to present my favourable experience with onlays and discuss all ceramic onlays as a post endodontic restoration.

27

Name : DR. K. KAVITHA
College : Saveetha Dental College and Hospital
Designation : Staff
Title : Self Etching Primers - A Chemical Insight
Abstract :



The advanced research in dentin bonding has created new dimensions in this field. Almost everyday a new dentin adhesive with its own advantages is being introduced. At this stage it becomes essential to understand the chemistry of these adhesives in order to select the appropriate bonding system for successful clinical practice. Self-etching primers are being considered as the new generation of bonding systems. This paper reviews about the chemical interfacial characteristics of tooth interactions of self-etching primers.



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19th Federation of Operative Dentistry of India
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28

Name : DR. C. CHANDRASHEKAR
College : Saveetha Dental College and Hospital
Designation : Lecturer
Title : Evaluation of Polymerization Shrinkage of four different Composites



Abstract :

10 specimens were prepared for each Group, Group I - Micro filled composite, Group - II - hybrid composite, Group - III highly filled posterior composite, Group - IV - Fiber reinforced composite. Strain gauges were attached to the specimens and dimensional changes were noted from initial light curing till 5 minutes and long-term dimensional changes were noted over a period of 1 month and percentage linear shrinkage calculated.

29

Name : DR. JOHN V. GEORGE
College : M.S. Ramaiah Dental College
Designation : Associate Professor
Title : Stem Cell Research - A Boon for patients with hypersensitive teeth - An overview



Abstract :

Scientific advances in the field of cell culture technology, tissue grafting, tissue engineering, restorative biomaterials provide the basis for introducing new technology in dentistry. Stem cells have been identified as myofibroblastoid pericytes, which can be used to restore and regenerate oral tissues.

The ability to control the differentiation and proliferation of these cells is being examined to alleviate the problem of hypersensitive teeth.

Although there are problems in introducing this technology, their potential benefits to the patients and to the profession are equally promising.

The purpose of this presentation is to describe how stem cell technology can be used to manage patients with hypersensitive teeth.

30

Name : DR. POONAM BOGRA
College : D.A.V. Dental College, Yamunanagar
Designation : Professor & H.O.D.
Title : Comparative Evaluation of three post systems by FEA.



Abstract :

The dental practitioner is often with the task of restoring teeth that are mutilated and have undergone endodontic treatment. When a large portion of the clinical crown has been lost, it is often impossible to achieve sufficient anchorage of a restoration with the remaining dentin. Such hopeless cases had a poor prognosis a few years back but now they can be restored with post and core. This study is an application of a three-dimensional Finite-element method to investigate the stress distribution on an endodontically treated maxillary central incisor. A finite element model of a maxillary central incisor was created. Load in different directions was applied to the model with posts made from three different materials and then stress distribution was studied. The results are being compiled and will be sent shortly.



National Conference

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31

Name : DR. PRIYANKA SINGH
Designation : Consultant Endodontist, Staff, MCODs
Title : Self visit endodontics - Is pain a deterrant?
Abstract :



Single visit Endodontic treatment which does not deviate from multiple visit Endodontic therapy the basic objectives of Endodontics, has become the treatment of choice for today's fast paced society. This study analyzed the incidence of postoperative pain following single visit endodontic therapy in vital, non-vital teeth with and without periapical radiolucency. Seventy-five single rooted teeth were selected and divided into three groups of vital, non-vital teeth with and without periapical radiolucency. Single visit endodontic therapy was completed for all the three groups. Incidence of postoperative pain was evaluated after a period of one, two and three days, one and two weeks. No statistical difference between incidences of pain was observed among the groups. Pain incidence dropped significantly within a period of one day to two weeks in vital teeth and non-vital teeth without periapical radiolucency. Incidence of pain in non-vital teeth with periapical radiolucency was significant after two weeks.

32

Name : DR. KAPIL KRISHNA DUA
College : Christian Dental College, Ludhiana
Designation : Lecturer
Title : Leakage in vitro with bonded amalgam, amalgam with varnish, Super EBA and MTA as retrofilling materials



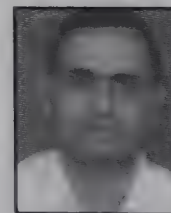
Abstract :

An vitro dye leakage study was performed to compare the apical sealing ability of four different retrofilling materials. 72 extracted anterior teeth were instrumented and then obturated with gutta percha. The apical 3-mm of roots were resected and 3 mm apical preparations were made. The roots were then randomly placed into four groups and retrofilled. After 72 hours, in methylene blue, the teeth were sectioned and dye penetration was measured under stereo microscope and profile projector.

Statistical analysis showed that bonded amalgam and MTA had significantly less leakage than amalgam with varnish and super EBA. The difference between bonded amalgam and MTA was not significant.

33

Name : DR. B. SAKETH RAMA RAO
Designation : Consultant Endodontist
Title : Fluoride release and uptake of three GIC's, One Compomer and one composite



Abstract :

Fluoride release and uptake of three glass ionomer formulations, one compomer and one composite resin was evaluated. 12 cylindrical specimens of each of the materials prepared and immersed in 25ml artificial saliva. The specimens randomly divided into three experimental sub groups. In one experimental sub group the specimens were immersed in 2% sodium fluoride for one minute, before changing the saliva. The second group was treated by immersing in a fluoridated dentrifice for two minutes before changing saliva. No treatment was carried out for the other specimens in the third group. The fluoride release was evaluated on the 1st, 7th and 28th day using a fluoride ion specific electrode. The results showed that the conventional glass ionomer and Fuji VII glass ionomer showed similar patterns and quantity of fluoride release, which was significantly higher than the resin modified glass ionomer, the compomer and composite resin. The resin modified glass ionomer showed higher fluoride release than the compomer and the composite resin. All the formulations of glass ionomers showed fluoride uptake from the neutral sodium fluoride and the fluoridated dentrifice, the compomer and the composite showed no fluoride uptake.



National Conference

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34

Name : DR. A.R. VIVEKANANDA PAI
College : Manipal College of Dental Sciences
Designation : Assistant Professor
Title : Broken instrumental retrieval - A case report

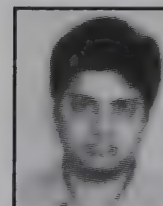


Abstract :

Every root canal cleaning and shaping procedure has the potential to cause the fracture of the instrument used in it. The factors could be iatrogenic or Instrument related. The separated instrument amounts to an obstruction by a foreign body and the complication arising there on depends on the type and status of the tooth and the level of the canal at which the instrument is fragmented. The non-surgical, orthograde treatment for this comprises of retrieval (using chemicals, pilers, canal finder system, Masserann kit, Endo extractor system, Ultrasonics, Cynocrylate adhesive or combination) or atleast bypassing and removal or inclusion in the obturation. These modalities should be attempted, before any decision on obturation to the level of struck instrument and observation or retrograde surgery or sectioning or extraction. This case report is about the retrieval of a broken file from the middle third of mesio-lingual canal of a mandibular right second molar using Masserann kit after unsuccessful bypassing and when surgery was not feasible.

35

Name : DR. VENIGALLA BHUVAN SHOME
College : Vishnu Dental College, Bhimavaram, Andhra Pradesh
Designation : Reader
Title : Comparative evaluation of cytotoxicity of three root sealers: Zinc-oxide-Eugenol, N2 and Endomethasone (A cell culture study)



Abstract :

The root canal sealers Zinc Oxide-Eugenol, N2 and Endomethasone are mixed according to manufacturer's instructions and are placed in the center of the culture wells. An established cell line of BHK 21/C13 fibroblasts is subcultured and the cell suspension is deposited in the culture wells at a density of 40,000 cells/ml. After 6hrs, 24hrs, 48hrs, and 72 hrs respectively one culture plate is taken out of the incubator and the viable cell count is done for all the sealers by Trypan Blue Staining. The percentage of viable cell count between the three groups, at individual observation periods is statistically evaluated. The experiment is repeated again.

36

Name : DR. SHASHI RASHMI ACHARYA
College : Manipal College of Dental Sciences
Designation : Associate Professor & H.O.D.
Title : Ethical issues in esthetics
Abstract :



Practicing esthetics in dentistry seems to have no end in today's practice. Patient demand for esthetics has increased globally and the basic perception of esthetic differs among patients and clinicians. So, are we crossing our limitations in esthetic dentistry practice? Where have our ethics gone? Or are we practicing esthetic dentistry just for the sake of manufacturers? Thus the aim of this paper is to discuss certain ethical issues governing case selection, treatment plan and specially patient education regarding esthetic dentistry.



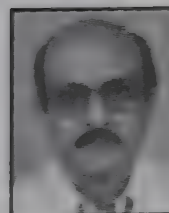
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19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



37

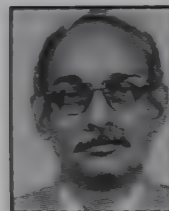
Name : DR. D. MAZUMDAR
College : Dr. R. Ahmed Dental College, Kolkata
Designation : Principal & H.O.D.
Title : The last weapon in Endodontics - A case report
Abstract :



Till early eighties endodontic surgery was very popular, but with the invent of modern instruments, very few cases need endodontic surgery or apical surgery. Still I believe that there are certain cases which needs or where the only answer is the apical periradicular surgery for faster healing and to relief and agony of the patient. The present lecture will highlight a case report where the periapical surgery is truly needed.

38

Name : DR. SURESH CHANDRA. B
College : A.J. Institute for Dental Sciences
Designation : Principal & H.O.D.
Title : Mercury Toxicity - An issue impacting dentistry
Abstract :

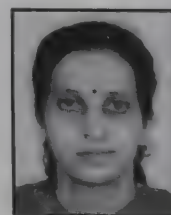


Concern about the effects of Mercury in the environment has increased over the years. Mercury in the environment is bioaccumulative, which means it can build up in and cause health problems in humans and other animals that eat fish. Mercury occurs naturally; however about half of mercury released to environment comes from human activity, and around one percent comes from dentistry.

Although mercury in the form of dental amalgam is very stable, it should not be disposed in garbage, infectious waste "red bag" or sharps container. Amalgam should also not be rinsed down the drain. These cautions are important because some communities INCINERATE municipal garbage, medical waste and sludge from waste water treatment plants. If amalgam waste ends up in one of these incinerated waste streams, the mercury can be released to the environment due to extremely high temperatures used in incineration process. The good news is that amalgam waste, kept separate from other waste can be safely recycled. The mercury can be recovered from amalgam wastes through a dissolution process and reused in by products.

39

Name : DR. SUMA BALLAL. C
College : Meenakshi Ammal Dental College & Hospital, Chennai
Designation : Reader
Title : Dry Canal - Gutta Percha Points, Wet Canal ?
Abstract :



This paper addresses the dilemma of obturating weeping canals and could perhaps change the concept of indications for obturation of root canal.



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40

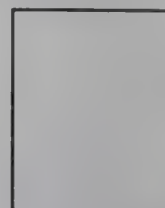
Name : DR. GOPI KRISHNA
College : Meenakshi Ammal Dental College, Chennai
Designation : Lecturer
Title : Post Space Freed from Obturations!
Abstract :



Post and core preparation is generally a multiple sitting procedure involving canal obturation, GP removal followed by post space preparation and core build up. This paper explains an effective sectional filling followed by GP removal. This newer technique is validated with both in vitro studies and in vivo studies.

41

Name : DR. SOWMYA N. KUMAR
College : Meenakshi Ammal Dental College, Chennai
Designation : Reader
Title : Is Vertical Fracture Horizontal Too!!!
Abstract :



This paper opens the mind to the possibility of a horizontal component in a vertical fracture, which should be identified and kept in mind before designing the treatment modalities by way of few clinical cases.

42

Name : DR. P. SHANKAR
College : Raga's Dental College, Chennai
Designation : Associate Professor
Title : Retrofit Post and Core Technique for Salvaging fractured F.P.D. Abutment
Abstract :



Often endodontically treated are vulnerable for fracture. In situations, where an endodontically treated abutment tooth fractures, and if the fracture is above the gingival crest, the abutment can be salvaged by the "RETROFIT POST AND CORE TECHNIQUE" using the existing fixed partial denture.

This paper aims to solve such problems by two different approaches - One a direct and another an indirect approach - based on clinical need and operator's choice.

43

Name : DR. SAPNA C.M.
College : Amritha college of dentistry
Designation : Assistant professor
Title : Mineral trioxide
Abstract :

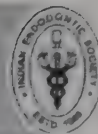


The prime objective of modern endodontic therapy is to clean and shape the root canal system by removing all organic material and sealing the root canal with a three dimensional filling. Although most cases can be managed by conventional method, in some conditions, clinician may have to resort to periapical surgery. Apical seal is the most important factor in achieving success in surgical root canal therapy. None of the



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materials previously used as retrofilling materials have been found to satisfy all the requirements of an ideal root end filling material. This study attempts to compare the microleakage of mineraltrioxide aggregate with amalgam, GIC type II, and IRM, when used as retrofilling material.

84 freshly extracted human maxillary single rooted teeth were divided in to four groups of 20 teeth each and two negative and positive controls. Group I was retrofilled with amalgam, group II with GIC type II, group III with IRM, and group IV with MTA. The specimens were dipped in a solution of 1% methylene blue for 72 hours, sectioned and analysed under stereo microscope for evidence of microleakage and scored. The results of the study indicated that MTA leaked significantly less than all other materials investigated.

44.

Name : DR. K. MANIKANDAN
College : Raja Muthiah Dental College
Designation : Reader
Title : Evaluation of Rotary Nickel Titatnium Instruments after Clinical use



Abstract :

The separation of Nickel-Titatnium (NiTi) rotary instruments is a serious concern in endodontic therapy. The purpose of this study was to analyze the number and type of defects in rotary NiTi instruments Profiles, Protapers, Endowave after various number of clinical uses during a 6 month period by a single operator. The instruments were routinely used in a crown down manner with Glyde Lubrication and Copious irrigation. Anthogyr handpiece with gear reduction was used according to manufacturers instructions. The instruments were collected, ultrasonically cleansed and inspected under magnification. The results were statistically analyzed. There was fracture and more distortion of Profile instruments after more clinical use, while in Protapers and Endowave there was less torsional and flexural defects. This paper emphasizes the modes of magnification as a criterion for discarding rotary NiTi instruments.

45.

Name : DR. MADHU VARMA
College : Vishnu Dental College, Andhra Pradesh
Designation : Senior Lecturer
Title : Effect of Sealer on Vertical Fracture Resistance of R.C. Treate Roots - In Vitro Study
Abstract : (Please refer page No. 94)



46

Name : Dr. K. VIJAY VENKATESH
College : Meenakshi Ammal Dental College
Designation : Lecturer
Title : Use of a Commercially Available Disinfectant for Disinfection of Dental Unit - Waterlines



Abstract :

This paper highlights the different types of bacteria contaminating DUWL's and the efficacy of a new commercially available disinfectant used in treating them.



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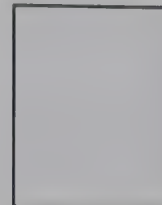
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12th Indian Endodontic Society



47

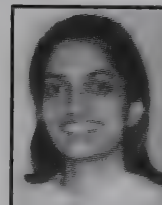
Name : DR. HANNAH ROSALINE
College : Ramachandra Dental College
Designation : Reader
Title : Pulp - An Antiviral Tissue!!
Abstract :



For effective treatment of endodontic infections, the clinician must recognize the cause and effect of microbial invasion of dental pulp space and surrounding periradicular tissues. Although vast majority of our knowledge deals with bacteria, we are now aware of potential endodontic diseases associated with fungi. This study was done using a Polymerase Chain Reaction (PCR), to detect if virus was associated with infected pulp.

48.

Name : DR. BAKUL ROONGTA
College : Shard Pawar dental college
Designation : Reader
Title : Aesthetics Limited
Abstract :



Aesthetic Dentistry has come a long way from involving tooth colored anterior fillings, to the present day "Smile Designs". These smile changeovers are almost always according to the clinicians' perceived sense of aesthetics, or according to some preset norms. But mathematical, calculated cosmetics may not give the desired beautiful look, specific to the person. It is often "common". Moreover, most smile makeovers mark the beginning of an irreversible cycle of dental procedures.

This presentation highlights such concerns. As health professionals, it is our responsibility, to impart treatment with minimum tooth tissue removal, as may be required for optimum aesthetics.

49

Name : DR. SONALI KAPOOR
College : Manubhai Patel Dental college, Baroda
Designation : Assistant Professor
Title : Biologic Barrier
Abstract :

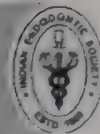


Progress in understanding molecular and cellular changes during tooth development and how they are mimicked during tissue repairs offers opportunity to assess the biologic validity of various pulp therapy procedures. The focus today is tooth retention in a symptom free environment. This presentation is an attempt to address the applications of one such material MTA which allows the development of a seal whilst maintaining a normal pulp biology as well as allows clinicians a reduced treatment time. The barrier induced by this material is intended to improve treatment modalities and its scope beyond surgery in endodontics appear favorable.



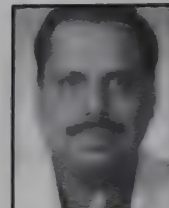
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19th Federation of Operative Dentistry of India
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50.

Name : DR. PRADEEP JAIN
College : College of Dentistry, Indore
Designation : Associate Professor
Title : Conservative Management of Periapical Lesions by Non-Surgical Intervention



Abstract :

Large periapical lesions and their healing surgically or non surgically remains a challenge. Hereby, a presentation of clinical study and correlating datas regarding nonsurgical intervention and healing of periapical lesions. A variety of cases have been selected with large periapical lesions. Conventional endodontic treatment following all principles of endodontics have given excellent results. Recall and follow up of the cases have proven the efficacy of non surgical treatment. This particular study is in line with the above concept and treatment procedure. The periapical tissues have healed to the predictable level following elimination of all etiological factors from within the root canals and obturating it three dimensionally both apically and coronally.

Therefore, the routine choosing of surgical intervention without fully assessing the specific needs of each case, in particular the status of root canal system is unwarranted. Similarly, surgery for the convenience of clinician is considered unacceptable.

51.

Name : DR. KAVITHA RANGANATH
College : NSVKDC, Bangalore
Designation : Staff
Title : Micro leakage at Cervical Margin of Composite Class II cavities with different restorative techniques.



Abstract :

Class II box cavities prepared on proximal surfaces of 30 molar teeth and restored as GP. I: 3 sited technique. GP. II: RMGIC asfirst increment and (3) GP. III: Recently introduced flowable composite as first increment. The teeth immersed in 2% methylene blue solution for 24 hrs. sectioned mesiodistally and evaluated at 20X magnification with stereomicroscope for dye penetration.

Name : Dr. Shelly Roy
College : Sharad Pawar Dental College
Guide : Reader
Title : Effect of coronal flaring on change in working length of mesiobuccal canal using Rotary NiTi and stainless steel instruments.



Abstract :

The proposed role of Embedded dentin chips for clinical failure of 3NiTi Totary instruments. The new and old rotary instruments seen under SEM / optical microscopes after ultrasonic cleaning. These lodges dentin chips, seen to cause a wedging action on the machining cracks which lead to their propagation of localized tensile stress during use and eventually result in instrument fracture.



National Conference

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52.

Name : DR. LEKHA. S
College : Oxford dental college
Designation : Reader
Title : Comparative Evaluation of Instrumentation by Rotary and Hand Instruments in curved canal - invitro study.



Abstract :

Cleaning and shaping of root canal system is the foundation of successful endodontic therapy. The final preparation should be an exact replica of an original canal configuration in shape, taper and flow but larger. New generation root canal instrumentation made out of nickel titanium has shown to produce improved preparation shapes compared to stainless steel. In this in vitro study, canal transportation and canal centering ability were evaluated for Profile rotary, Greater taper rotary and compared with stainless steel K files and Nitiflex hand files in curved canals. Bramante's method, in which cross-sections of root canal can be observed before and after instrumentation, was followed. Photographs of pre and post instrumentation of canal cross sections were super imposed for direct comparative analysis. In this study no significant difference in centering among Nitiflex, Profile rotary and Greater taper rotary was found. The stainless steel files compared equally well in canal centering ability when carefully precurved.

53.

Name : DR. MITHRA N. HEGDE
College : A.B. Shetty Institute of Dental Sciences
Designation : Professor & H.O.D.
Title : Health Hazards associated with Restorative Dentistry in Dental Clinics



Abstract :

You can't see them. You can feel them. They leave behind only fleeting traces of their presence but make no mistake. Your heart, your lungs, your blood vessels, your organs and tissues are under constant attack by wide ranging teams of biological renegades. No part of your body is sheltered from the destructive assaults of these molecular outlaws, which are known as Free Radicals. Infact, many experts believe that free radicals pose one of the greatest single threats to our health as we progress into the twenty-first century. The assessment of side effects of substances encountered in odontology by dentists and the dental team must include the direct and indirect effects of free radicals and irradiation emitted from polymerization devices.

54.

Name : DR. VISHWAS M. SANGAPPA
College : Vydehi Institute of Dental Sciences
Designation :
Title : A Spectrophotmetric Evaluation of effectiveness of surface protection for RMGIC Invitro study



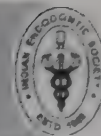
Abstract :

Glass ionomer cement developed by Wilson & Kent in 1972 has evolved as a popular tooth colored, Anticariogenic and Biocompatible restorative material. Water plays an important role in the setting reaction of this restorative; water lost or gained by Glass ionomers before it reaches maturity deteriorates its physical properties. The moisture sensitivity of Glass ionomers lead to the development of a hybrid GIC by incorporating



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resin (HEMA), which were called Resin modified Glass ionomers (RMGIC). This study evaluated, whether incorporation of resin has overcome the moisture sensitivity of Glass ionomers.

Should the RMGIC also be protected with a surface protectant till the cement completely matures? If so, which protectant among Nail varnish, Fuji varnish, Fuji coat LC, and Heliobond gave better protection for RMGIC.

55.

Name : DR. MOHAN GUNDAPPA
College : Krishna Devaraya College of Dental Sciences
Designation : Professor & H.O.D.
Title : Efficacy of Echography in the differential diagnosis periapical lesions

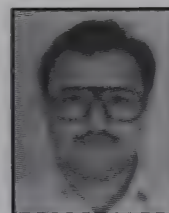


Abstract :

Fifteen patients diagnosed with periapical lesions of anterior teeth using clinical and conventional radiographic examination and who were scheduled for endodontics surgery were selected. Then the patients were subjected to ultrasound imaging at the site of the lesions. Lesion characteristics revealed by echography, including color Doppler findings were recorded and compared to histopathological analysis.

56.

Name : DR. MANISH
College : G.D.C., Ahmedabad
Designation : Tutor
Title : Teamwork - Making Complications look simple
Abstract :



We the staff at Government Dental College and Hospital Ahmedabad, will like to present a group of atypical cases encountered in our practice. The aim of this presentation is to highlight the minute details, which might be often not taken into considerations. For example

- Palato Radicular Groove found in lateral incisors - its modality ---
- Cystic Lesions - treated with non-surgical approach.
- Massive external and internal ----- cases
- Unusual cases encountered in dental practice.

57

Name : DR. VATSALA
College : M.R. AMBEDKAR DENTAL PG COLLEGE
Guide :
Title : The sterilizer of the 21st Century - Ozone sterilizer system
Abstract :



An entirely new generation of sterilizer, utilizing ozone, which is naturally occurring, powerful of oxidizing agent as a sterilent. Ozone sterilization has proved cold / chemical sterilization it is safer, faster, more cost effective leaves no toxic residue, ecofriendly, and serves products that cannot withstand high



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



temperatures and radiation when sterilized. With Ozone each changing process is the same as the previous one, translating repeatability into reliability. Ozone sterilization technique avoids many problem associated with the use of ethylene oxide and manufacturers claim that in future it may replace ETO systems. Ozone as a sterilant can avoid problem with toxicity, flammability, air pollution, sterilent residue, and a long logistics trail. Recent technological advances have made the generation of ozone as practicable proposition and commercially available sterilizers have been developed which can be used for hospital sterilization applications.

59

Name : DR. JAYASHANKARA C.M.
College : GOVERNMENT DENTAL COLLEGE
Guide
Title : Taurodontism and its Endodontic management:
a Case Report



Abstract :

Taurodontism is a morphologic variation in which the body of the tooth is enlarged at the expense of the roots. Taurodont teeth have large pulp chamber and apically positioned furcation. It is thought to be caused by the failure of Hertwig's epithelial sheath diaphragm to invaginate at the proper horizontal level, resulting in a tooth with short roots, elongated body and enlarged pulp chamber.

Endodontic treatment of a Taurodont tooth is challenging and due to abnormal morphology great difficulty is generally encountered in locating the canal orifices, instrumentation and obturation of the root canal system. The present Case report describes a case of Taurodont teeth involving the maxillary molars and their endodontic management.

60

Name : DR. MANJUNATHA.M
College : PG GOVERNMENT DENTAL COLLEGE, Bangalore
Guide
Title : A four rooted quadrangular maxillary
second molar - a case report



Abstract :

Treatment of the entire root canal system is essential for success of root canal treatment. Thus, it is necessary for the clinician to have knowledge of dental anatomy and its variations. Maxillary molar is known to have a fourth canal (mesiopalatal) located in the mesio-buccal.



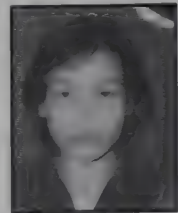
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61

Name : ZEPHILLA R. MARAK
College : King George University of Dental Sciences, Lucknow, U.P.
Guide : Dr. Wadhvani
Title : Non-Surgical approach: Alternative treatment modalities for Periapical lesions.



Abstract :

Most periapical diseases are induced, as a result of bacterial invasion through the degenerating pulpal tissues. Treatment options for these periapical lesions vary from non-surgical or apical surgery. Current philosophy in the treatment of these lesions includes initial use of nonsurgical root canal treatment. Complete chemomechanical preparation of infected root canal system is essential to reduce the microbial growth. So there is a need to use intra-canal medicaments to help eliminate or reduce the microbial growth. Calcium hydroxide paste/points can be used to inhibit the microbial growth in the canal and help periapical healing.

62

Name : ROLLY SHRIVASTAVA
College : PG U.P. King George's University of Dental Sciences, Lucknow.
Guide : Dr. K.K.Wadhvani
Title : Innovative method to salvage endodontically fractured posterior teeth : case report and in - vitro study.



Abstract :

A definite number of cases of vertical fractures in endodontically treated posterior teeth are encountered in clinical practice. The cases may range from simple ones with cuspal fracture to extremely difficult cases, with fracture line extending upto the furcation or crown fracture associated with a vertical root fracture. Most of these cases lead to future extraction. Therefore procedures must be reconsidered to save these teeth. This paper presents a conservative adhesive treatment method for bonding the split parts of a vertically fractured tooth to reestablish the structural and functional integrity.

63

Name : ADYOPANT
College : King George's University of Dental Sciences, Lucknow.
Guide : Dr. Wadhvani
Title : Pulpal penetration of Bleaching Agents in Teeth Restored With various Restorative Materials



Abstract :

Cosmetic dentistry has focused on tooth whitening in the past few years. Various concentrations of carbamide peroxide and hydrogen peroxide are used for bleaching of teeth. Many techniques have been advocated for extra coronal bleaching of vital teeth. When a bleaching process is applied to a restored tooth the bleaching agents may affect the properties of the restorative material in teeth.

Composite resins are the routinely used tooth colored restorative materials. These materials consist of a mixture of components in which a photo curable resin is incorporated into conventional glass ionomer cement



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to obtain the combined characteristics of resin composites and glass ionomer cements. The present paper evaluates the amount of penetration of bleaching agents into the pulp chamber of the teeth restored with composite resin, poly acid modified resin and resin modified glass ionomer cement.

64

Name : Dr. DEVRAT B. SINGH
College : G.D.C., Aurangabad
Title : Effect of Water and Acetone based adhesive on Apical Microleakage



Abstract :

The perfect watertight sealing of the root canal is mandatory for long-term clinical success. The entire canal and its foramen must have perfect adaptation with root canal filling materials so as to eliminate all potential pathways of microleakage between periapical region and root canal. The purpose of this study is to evaluate the in-vitro apical microleakage of a resin-based sealer used with two different adhesives. Groups were made according to the dentin bonding systems which were water or acetone based.

65

Name : Dr. SHILPA REDDY
College : MCODS, Mahe, Manipal
Guide :
Title : Effect of Mouth rinses on Hardness of Anterior's Posterior composites.



Abstract : Multiple composite restorations are given often in clinical practice.

Such patients are prescribed mouthrinses for various applications - plaque control, halitosis, candidiasis, and implant post surgical maintenance. A wide array of commercial mouthrinses are available - phenol / CMX / H3PO4 forbased. Which are alcohol containing or alcohol free. Alcohol is added to MR to dissolve ingredients and as antiseptic agent. Concerns are expressed of possible health hazards and their softening potential on polymers. Softening effect was found to be directly related to % of alcohol. Hence the effect of both alcohol containing and alcohol free MR on hardness of composite warrants investigation. Hence the study has been designed to investigate the effect of these MR on hardness of composites. 30 specimens of each material are taken, conditioned in various commercially available alcohol containing and alcohol free MR & subjected to knoop hardness tester. The value obtained will give us an idea of MR to be prescribed in a clinical situation.

66

Name : Dr. RAJESH CYRIAC
Guide :
College : PG Manipal college of Dental Sciences, Manipal.
Title : Sustaining the pH - the Best vehicle?
Abstract :



Non setting calcium hydroxide pastes are routinely used as intra canal medicament in multi visit endodontics. The anti bacterial property of calcium hydroxide has been attributed to its high pH. The release of OH ions from Ca (OH) 2 is the most determinental factors, in its use as an ICM to combat periradicular infections. This



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19th Federation of Operative Dentistry of India

12th Indian Endodontic Society



in turn depends on the vehicle used to make the paste. This investigation attempts to investigate quantitatively the best vehicle for Ca (OH) 2 as ICM, by estimating the pH of Ca (OH)2 at the end of 24 and 48 hours, 1 week and 2 weeks. The preparations compared were Ca (OH)2 mixed with distilled water, propylene glycol. 0.2% chlorhexidine, normal saline and Calciure.

67

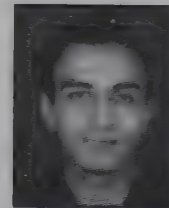
Name : Dr. PIYUSH RATURI
Guide : Dr. Girija Saggan
College : Bapuji Dental College & Hospital, Davangere.
Title : Facts are stronger than Fiction New Truths unearthed
Abstract :



The literature on pulp canal anatomy is replete, and has offered little specificity for determining orifice number and location. The pathway to successful endodontics depends on a proper access cavity preparation. In the past most advice has been to make an access in an appropriate position in the clinical crown and look for the orifices in the 'hope' that they are seen. But in heavily restored, attrited, severely destroyed teeth, the normal anatomy is often lost. Thus prototype access preparations hold no good. In this study teeth with variety of crown conditions were taken and sectioned bucco-lingually at the level of cemento enamel junction through the crown and root. Certain observations were made based on which, several anatomic laws were formulated. Which could help naïve and well-trained practitioners both, identify total number of canals, avoiding any mishaps.

68

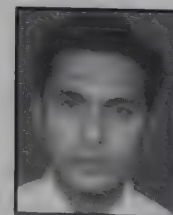
Name : Dr. AMIT SOOD
College : Bapuji Dental College, Davangere
Guide : Dr. Girija Sajjan
Title : Is Mr. Bond's enemy a real threat ?
Abstract :



What would happen if something tried and trusted is now casting shadows of doubt? The ZOE cement and its modification have been used as temporary filling materials from time immemorial. Various speculations had arisen about the eugenol content, which was not compatible with many, so the noneugenol containing modification arose. Be it in the conservative section or the endodontic section, ZOE has been used in various modalities of treatment. ZOE always remained material of choice whether it is to temporize a prepared cavity as an interim restorative or as an intermediate filling during or between endodontic visits. Earlier it was thought that residual eugenol hampers proper curing of composite. Eugenol being a phenol also interferes with the amino and amino groups of the collagen bond to which bonding agents supposed to bond. This paper unveils mystery of effect of eugenol on resin composite and dentin bonding system.

69

Name : Dr. ABDUL MUJEEB
Guide : Dr. Girija Sajjan
College : Bapuji Dental College & Hospital, Davangere.
Title : What is lost may not be lost after all!! Provided
Abstract :



Traumatic dental injuries are common and frequently represent a severe threat to the function and esthetics of the dentition. So the primary goal for the dental professional must be the preservation of dental tissue and



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maintain integrity of the arch. Among the traumatic injuries, anterior crown fractures are common form of injury that mainly affects children and adolescents. Overtimes, numerous techniques have been developed for the re-construction of injured teeth in which re-attachment of anterior tooth fragment is preferred technique among clinicians. Several re-attachment techniques such as enamel beveling, 'V' Shaped internal enamel groove, internal dentin groove, external chamfer, over contour and simple re-attachment are some preferred techniques overtimes. This paper presentation is based on in-vitro study undertaken to know the fracture strength recovery of re-attached anterior tooth fragment using different reattachment techniques.

70

Name : Dr. SHRUTI SEHGAL
Guide : Dr. D.R.Barfiwala
College : Dr. D.Y. Patil Dental College & Hospital, Mumbai.
Title : The Endodontist - Rescuer or Victim



Abstract :

The practice of Endodontics is demanding and stressful. By using proper operating positions and good posture, the operator experiences less physical strain and fatigue and reduces the possibility of developing musculoskeletal disorders. Painful conditions such as Carpel Tunnel Syndrome which cause numbness in the thumb and mesial two fingers due to increased flexion of wrists is becoming a fast growing occupational hazard for endodontists.

This paper throws light at the postural misconceptions and misdoing by endodontists and contributes to providing relevant information for physical endurance and productivity.

71

Name : Dr. NEHA TANEJA
Guide : Dr. Nageshwar Rao
College : S.D.M. College of Dental Sciences & hospital, Dharwad.
Title : Echography - A "SOUND" Diagnosis.



Abstract :

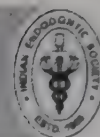
Imaging techniques are an essential part of endodontics for the study of periapical lesions. The dilemma of diagnosing a periapical cyst and a granuloma has long eluded the best of clinicians. Conventional radiographic procedures are the most commonly used technique, but have limitations in that they do not reliably demonstrate the presence and size of periapical lesions. Digital radiography has been proved to be no better than conventional radiography. Computerized tomography (CT) has been suggested as a method to differentiate periapical lesions, but routine use of computerized tomography is associated with high radiation risks. The quest for a dependable alternative has led to the innovative use of Echography as a novel experimental modality for the evaluation of bone lesions of endodontic origin.

The purpose of this study was to evaluate the possibility for a differential diagnosis between periapical lesions with different histopathological features based on Echography.



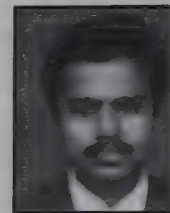
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72

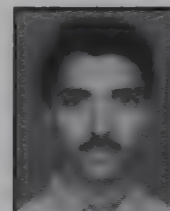
Name : Dr. MOHAN R. SAKRI
Guide : DR. R. Nageshwar Rao
College : SDM College of Dental Sciences and Hospital, Dharwad
Title : Resilon: 21st Century Endobondics
Abstract :



Precise obturation forms the corner stone of successful endodontics. Gutta percha has long been the standard for obturation but disadvantages like microleakage, lack of bonding the presence of gaps has led to the innovation of a new material that reportedly bonds to tooth structure namely Resilon (a thermoplastic synthetic polymer based root canal filling material).

73

Name : Dr. KILARU KRISHNA RAO
Guide : Dr. K.H. Kidiyoor
College : SDM College of Dental Sciences
Title : Determination of location of root perforations by electronic apex locators



Abstract :

During access opening and biomechanical preparation there are several mishaps one of them is root perforation. Early detection and immediate treatment for perforation can improve the prognosis. Diagnosis of root perforation requires a combination of symptomatic findings, clinical observation and diagnostic aids. Among the diagnostic aids the electronic apex locators were used to detect root perforations.

74

Name : Dr. PRIYADARSHINI.H
Guide : Dr. S.V. Bhagwat and Dr. Veerendra
College : KLE's Institute of Dental Sciences, Belgaum
Title : Non-Surgical approach to treat large periapical lesions - A case report



Abstract :

"A good surgeon knows how to cut and an excellent surgeon knows when to cut". It is a common belief that cases with large periapical lesions have to be treated surgically. Periapical lesions are a frequent sequel to pulpal necrosis due to trauma and microbial infection. Treatment options to manage large periapical lesions range from non surgical root canal treatment and / or apical surgery to extract. However the current philosophy in the treatment of teeth with large periapical lesions includes the initial use of non surgical root canal treatment. Conventional root canal treatment is aimed at eliminating source of infection and bacteria combined with the use of calcium hydroxide dressing which have shown to heal periapical lesions successfully.



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- 75
- Name** : Dr. LAHIR AHAMMED.K.P.
Guide : Dr. K. Ravi Varma and Dr. C.V. Pradeep
College : Yenepoya Dental College - Kodialbail, Mangalore
Title : K3 Nickel Titanium Rotary Files
Abstract :



Nickel titanium rotary instrumentation has been one of the most significant advances in modern dentistry in the past 25 year. Specifically, the last 10 years have witnessed tremendous advances in endodontics technology. Rotary instrumentation has made endodontics easier faster, and importantly better.

Various NiTi instruments have been introduced in the market and there is confusion and difficulty in accepting any single such instrument system as ultimate. This presentation is a brief description of the recently introduced 3rd generation rotary file system K3. It also compares the instrument geometries of K3 against profile series 29, Quantec and Protaper.

- 76
- Name** : Dr. FAIZAL M.A. GAFFOR
Guide : Dr. K. Ravi Varma and Dr. C.V. Pradeep
College : Yenepoya Dental College, Kodial Bail, Mangalore
Title : Esthetic Post Systems
Abstract :



For many years' metals, whether cast or pre-fabricated, have been exclusively used to construct posts as foundation for indirect restoration. Developments in composite and ceramic materials have resulted in the introduction of metal free post systems as alternatives. Restoration of endodontically treated tooth with enhanced esthetics especially with post and core was quite challenging to the clinician. Rehabilitation using post and core system ensures that the residual dentinal structure has sufficient strength to support the post/core/crown complex restoring the tooth to form and function. In this presentation, various types of esthetic post systems are being discussed.

- 77
- Name** : Dr. PINKY GOSWAMI
Guide : Dr. A.C. Bhuyan
College : Regional Dental College, Guwahati
Title : To study the antibacterial properties of black tea, green tea and coffee



Abstract :
Tea and Coffee probably the most commonly consumed beverages in the world. Tea is obtained from the plant Camellia Sinensis. By utilizing different methods of processing of the tea leaves three types of tea are obtained. They are - Black tea, Green tea and Oolong tea. The medicinal properties of tea have been known since ancient times. In fact tea is believed to have originated as a medicament but gradually became popular as a beverage. Though Coffee is known for its high caffeine content recent evidence suggests that, it also has anti bacterial and anti cariogenic actions. Recent studies suggest that certain components extracted from green tea, black tea and coffee has anti bacterial action against S.mutans and other bacteria inhabiting the intestines. The present study was carried out to make a comparative analysis of the anti bacterial properties of green tea, black tea and coffee.



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78

Name : Dr. REYOSALU LASE VIZO
Guide : DR. A.C. Bhuyan and Dr. Rubi Kataki
College : Regional Dental College, Guwahati
Title : An In-Vitro evaluation of Thermoplasticized gutta- percha
- In comparison to conventional obturation technique

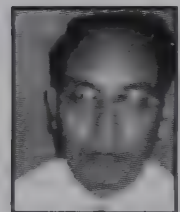


Abstract :

Gutta-percha is the most commonly used root-canal obturation material. Its physical properties have made possible several obturation techniques. The cold lateral condensation of gutta-percha is one of the most commonly used techniques in Endodontics. However, its ability to replicate the internal surface of the root canal has been questioned. The thermoplasticized injectable obturation techniques were introduced to improve the homogeneity and surface adaptation of gutta-percha. Root canal obturation with injected thermoplasticized gutta percha was introduced by YEE et al (1977). Studies have shown that thermoplasticized injectable obturation can replicate the intricacies of the root-canal seal and achieve a seal equal to or if not superior, to other obturation techniques. An in-vitro study done to compare the ability of Obtura-II thermoplasticized injectable technique, cold lateral condensation and warm vertical condensation techniques to obturate a standardized root canal.

79

Name : Dr. VANLALFAKA TO CHHAWNG
Guide : Dr. A.C. Bhuyan and Dr. Kalita
College : Regional Dental College, Guwahati, Assam
Title : Degrees of Mesial Root Canal Curvatures of
Mandibular First Molar



Abstract :

The objective of this study was to determine the degree of curvature of mesiobuccal and mesiolingual root canals of mandibular first molar. The degree of curvature and configuration of root canals creates some technical difficulties to the clinician during biomechanical preparation. Therefore this knowledge is essential for successful endodontic therapy. One hundred and twenty extracted mandibular first molars were used in this study. After introducing 6-10 file into the mesial root canals, the teeth were radiographed in buccolingual (clinical) and mesio-distal (proximal) directions. All samples showed curvatures at varying degrees in both views. There was a significant correlation between the degree of primary curvatures of MB and ML canals in clinical direction for the total samples. The secondary curvature values in clinical view of MB and ML canals were found as significantly correlated in Vertucci Type II. The highest mean value among primary canal curvature values was seen in the clinical view of MB canals. While the lowest mean value was seen in the proximal view of the ML canal.

80

Name : Dr. ARINDAM DUTTA
Guide :
College : Manipal College of Dental Sciences, Manipal
Title : Knock Knock..... I Can't Hear

Abstract :

Since the development and use of the high-speed dental air turbine about half a century ago, concern has been expressed in literature about a possible cause and effect relationship between its use and hearing loss





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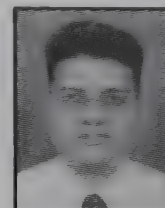
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in dentists. And to add onto the cacophony, high volume suction, saliva ejector, compressor, amalgamator and a multitude of other laboratory paraphernalia accentuate the whine so characteristic of an operative and endodontic clinic. This paper evaluated the decibel level in the academic clinic environment and compared it with standards set by the World Health Organization. It sets to serve as a wake up call, for if complacent, the meek shall inherit what sound?

81

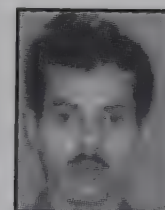
Name : Dr. ANUJ BAHRI
Guide : Dr. D. Mazumdar
College : Dr. R.Ahmed Dental College, Kolkata
Title : Quantifying the beauty
Abstract :



How do we understand beauty? Is there any quantifiable parameter for attractiveness for a face or a smile? The vast majority of people feel that beauty is not understandable or quantifiable and something that we might never really comprehend to any degree without a clear understanding of what beauty is, it is very difficult to have an appropriate or a meaningful goal when one is correcting an esthetic deformity or an esthetic smile. The concept of "golden ratio" described by Greeks has been rediscovered by researchers and extrapolated in two dimensions called the "the golden decagon matrix". The golden decagon matrix when applied to the analysis of facial esthetics and smile has complimented the ability of the clinician to enhance an individual's innate beauty. The application of this matrix is in various clinical disciplines, which are involved in enhancement of facial beauty including esthetic dentistry. The paper presentation will highlight the concept and the use of the golden decagon matrix while performing esthetic dental treatment.

82

Name : Dr. ABHISHEK LAHA
Guide : DR. D. Mazumdar
College : Dr. R.Ahmed Dental College, Kolkata
Title : Broken Endodontic Instruments - A Dilemma
Abstract :

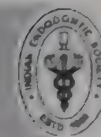


Of all the complications that might occur while doing endodontic procedure, one of the very worst is instrument breakage - in other words, "file separation" in the canal. Grossman quoted "the dentist who has not fractured the tip of reamer, file or broach has not treated many root canals....". Recently with the advent of rotary NiTi instruments, the manufacturers seem to want us to believe that breakage is not such a problem any more. Unfortunately that is not the reality of the situation. Breakage is a problem, it remains a problem and with the popularity of NiTi instruments it is becoming an even larger problem. The causes of breakage in most cases are due to operator error. There are numerous possible communications and the ability of the operator lies in determining what strategies to use when the problem occurs. Treatment planning depends upon the anatomical sections of root canals' the size, the length and the curvature of the root canals; location of the broken instrument; and the size and length of the instrument. By the way, there is really no full proof way to remove broken instruments. Removal must be approached in a case-by-case basis with a great deal of patience, skill and luck is the equation. This paper will highlight the causes, prevention, treatment options and some clinical case reports on broken endodontic instruments.



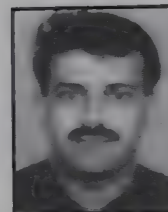
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12th Indian Endodontic Society



83

Name : Dr. PRABEESH PADMANABHAN
Guide : Dr. Joseph Paul and Dr. Radhakrishna Nair
College : K.V.G. Dental College, Sullia, D.K.
Title : Esthetic Posts - A Review
Abstract :



Post-endodontic treatment of teeth presents the dental practitioner with the dilemma of selecting from a large array of materials, techniques and designs. Even the basic underlying scientific principles of post and core technology are fraught with controversies. New patients concern have surfaced, which include minimal invasiveness of the post endodontic dentin, biocompatibility of the post, cores and cements to the remaining natural tooth structure and mainly esthetic compatibility of both post and core. A major disadvantage of metal posts and carbon fiber post is their dark color, which adversely affects the natural appearance of restored tooth. In an effort to overcome this, several tooth - coloured posts have been developed. This paper attempts to review the literature on various types and aspects of tooth colored posts.

84

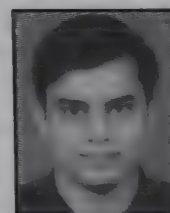
Name : Dr. SANJITH P. SIMON
Guide : Dr. Joseph Paul and Dr. Radhakrishna Nair
College : K.V.G. Dental College, Sullia
Title : Pain Management during Restorative and Endodontic procedure
Abstract :



It is observed that teeth with progressive caries and vital pulps are sensitive to any form of mechanical interferences. During the routine restorative and endodontic procedures, management of pain is important. The problems of management of pain and anxiety are closely related. Pain produced by dental treatment can usually be minimized or entirely prevented through thoughtful patient management and judicious use of techniques for pain control.

85

Name : Dr. NIRAV J. PARMAR
Guide : Dr. Girish Parmar and Dr. Sunita Garg
College : G.D.C., Ahmedabad
Title : Intra Radicular Rehabilitation of Endodontically Treated Teeth
Abstract :



The intraradicular reinforcement of structurally compromised roots have been advocated for endodontically treated teeth with thin remaining walls. The advent of predictable resin composite bonding and reinforcement through the use of a smooth, light transilluminating post has facilitated and intraradicular restoration of endodontically treated, thin-walled teeth and improved their structural resistance to fracture over that provided by conventional morphologic dowel restoration.



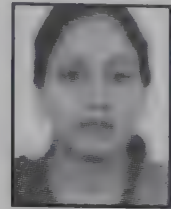
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19th Federation of Operative Dentistry of India
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86

Name : Dr. SHALINI SHARMA
Guide : Dr. Bhup Inder K. Padda
College : Punjab Govt. Dental College and Hospital, Amritsar
Title : Gemination or Fusion - Confusion? - Case Report
Abstract :



The terminology dental fusion and gemination are used to define two different morphological dental anomalies, characterized by the formation of a clinically wide tooth. Case history, clinical and radiographic examinations can provide the information required for the diagnosis of such abnormalities. Despite the considerable number of cases reported in the literature, the differential diagnosis between these abnormalities is difficult and sometimes impossible.

Gemination or fusion is a rare occurrence in the mandibular posterior teeth. Endodontic treatment of these teeth need special care and attention to the bizarre anatomy.

In this paper, we report one such type of a case, which can be considered either a fusion between permanent mandibular III molar and a supernumerary tooth or a geminated mandibular III molar.

87

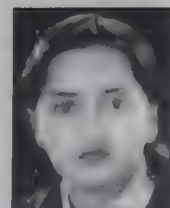
Name : Dr. NIKET LOKHANDE
Guide : Dr. Nitin Shah
College : B.V.D.U. Dental College, Pune
Title : Reinforcing the tooth: "The Esthetic Way"
Abstract :



Posts are commonly made from metals because of their superior physical properties; however metallic posts may produce grey discoloration of translucent all ceramic crowns and surrounding gingiva. Growing demand for esthetic restorations in dentistry have led to development of tooth coloured metal free post and core systems. Other advantages of esthetic posts are their ability to bond to tooth structure and modulus of elasticity very close to dentine. In this paper various tooth coloured posts systems are presented with some clinical cases in our department.

88

Name : Dr. TAMANNA TIWARI
Guide : Dr. Nitin Shah
College : B.V.D.U.D.C., Pune
Title : Effect of endodontic System on Root Canal Cleanliness



Abstract :

Removal of smear layer is a key to success of root canal therapy as it helps better adaptation of obturating material to the canal. In the present study four different endodontic systems have been evaluated i.e., ultrasonic, manual Pro Taper, hand and Profile. Samples were studied under a scanning electron microscope to determine the cleanliness of the prepared root canal surface. The results showed that the ultrasonic and manual Pro Taper provided the cleanest of the canals.



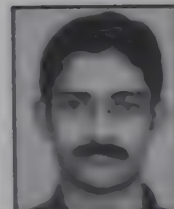
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19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



89

Name : Dr. GEORGE JACOB. M
Guide : Dr. Varghese and Dr. Jolly Mary Varughese
College : G.D.C., Trivandrum
Title : Non-Surgical Management of Periapical Lesions of Endodontic Origin - Case Reports



Abstract :

Endodontic surgery should not be considered as a panacea for poor non surgical endodontic skills or failure to understand the biological basis of Endodontic skills or failure to understand the biological basis of Endodontics. Root canal therapy itself aims at eliminating the focus of infection from the root canal system and the maintenance of an environment free from further ingress of microorganisms.

Contemporary endodontic practice gives more emphasis on non-surgical management of penapical lesions of endodontic origin. In this paper we bring to you the reports of clinical cases and their follow up results where periapical lesions of endodontic origin were successfully treated non surgically by conventional endodontic therapy using calcium hydroxide as the intra canal medicament.

90

Name : Dr. SMITHA CHERIAN
Guide : Dr. Mohan Thomas Ninan
College : CODS, Davangere
Title : Cavity Disinfectants - Does It affect the bond strength of Dentin Bonding Systems



Abstract :

One of the most important factors determining the success of a restoration is the adhesion between tooth structure and the restorative material. The purpose of the study was to determine the effect of 3 cavity disinfectants (chlorhexidine gluconate - based, benzalkonium chloride - based and iodine - potassium iodide / copper sulfate - based) on the shear bond strengths of dentin bonding systems to dentin.

Buccal surfaces of 40 extracted molars were ground flat to expose the dentin and mounted in acrylic blocks. They were divided into 4 groups with 10 teeth in each group. In the control group, normal etching and bonding was done without any disinfectant. In all the other 3 groups, disinfectants were used after etching. Composite resin was then attached to the dentin surface and light polymerized. The specimens were sheared with Universal testing machine and the results were recorded.

Results showed that the use of chlorhexidine and benzalkonium chloride did not affect the shear bond strength of dentin bonding systems.

91

Name : Dr. JAYA P. DANIEL
Guide : Dr. Vasundhara Shivanna
College : College of Dental Sciences, Davangere
Title : Light Cure Mania : Does the heat really hurt the sensitive pulp ?



Abstract :

The aim of this study was to find the intra pulpal temperature rise with different curing lights (L E D, HALOGEN LASER). An intrapulpal temperature rise of more than 5°C can cause irreversible pulpal damage. Class v



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cavities were made in 30 extracted single rooted premolars. They were divided into 3 groups, with 10 teeth in each group. 1mm of root apex was cut and a Thermocouple with digital display was used to record the temperature in the pulp chamber. Teeth were restored with composite and the curing was done both at a distance of 3mm and 6mm. Temperature increase with each curing unit was recorded. In each group, 5 teeth were made to the depth of 1.5 mm and the other 5 were made to the depth of 2mm. The least heat production was recorded with L.E.D. and heat increased with decrease in remaining dentin thickness. Also the heat was less at a distance of 6mm than with 3mm.

92

Name : Dr. ROLI BHATNAGAR
Guide : Dr. Dhanya Kumaran.M
College : College of Dental Science, Davangere.
Title : The Amalgam - Makeup



Abstract :

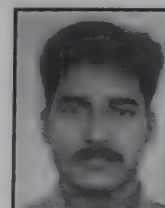
Although for the not too 'well-off' All indirect restorative Techniques involving cast metal, ceramic or resin - based materials are expensive compared to directly placed restorations.

My paper presents a technique for restoring premolar teeth with amalgam and composite combination, when the preparation extends mesio-bucally into an esthetically critical area. Amalgam provides the least costly directly placed restoration. Their placement is not technique sensitive and they are durable. Composite that is placed in one bulk provides good enamel adhesion and enhanced esthetics.

These "combi-restorations" have proved themselves to be "United we Stand, Divided we Fall".

93

Name : Dr. PRAVEEN. P
Guide : Dr. Vasundhara Shivanna
College : College of Dental Sciences, Davangere.
Title : Resilion does it prevent microleakage as a root canal filling material compared to Gutta percha?



Abstract :

The aim of the study was to compare microbial leakage using streptococcus mutans through gutta percha and a thermoplastic synthetic polymer based root canal filling material (Resilon), using lateral condensation techniques.

A total of 20 single rooted human teeth were used for this study, the roots were randomly divided into 2 groups of 5 roots each and one control groups as follows:

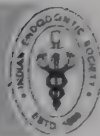
1. 5 roots filled with lateral Gutta percha - Epiphany sealer.
2. 5 roots filled with lateral Resilon- Epiphany sealer.
3. 5 roots filled with gutta-percha without sealer - positive control.

From this study the Resilon group were superior to the Gutta - Percha groups in all the specimens which were checked for microleakage.



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94

Name : Dr. HENSTON D'SOUZA
Guide : Dr. K. Ravi Varma.
College : Yenepoya Dental College, Mangalore.
Title : External cervical resorption in non-vital bleaching an overview .



Abstract :

In the modern society, the patient's concern over the discolored teeth has increased. The intracoronal bleaching procedure is largely used because it is efficient, simple and economic compared to the prosthetic treatment while external cervical resorption is one of its adverse effects. Cervical resorption is characterized by invasion of cervical region of the root by Fibro vascular tissue, which progressively resorbs enamel, dentin and cementum. Chemical and / or physically irritation or procedures cause alteration in the ratio of organic and inorganic cementum, making it relatively more inorganic and less resistance to resorption when challenged by inflammation. This paper deals with the etiology and clinical aspects of external cervical resorption in Non-Vital Bleaching.

94

Name : VINOOSUBRAMANIAM . R
Guide : Dr. Ramchandran
College : Ragas Dental College, Channai
Title : Iodoform & Non surgical management
Abstract :



This paper presents the different modalities of non-surgical management of periapical lesions with and without sinus with two case reports. The interappointment intracanal medication given was Ca (OH)₂ intentionally pushed beyond the apical constriction into the periapex of the involved teeth. The teeth were obturated when the were asymptomatic using IODOFORM containing sealer.

The healing of the periapical lesion was uneventful.

93

Name : MEENAKSHI GAMBHIR
Guide :
College : Government Dental College, PGIMS, Haryana.
Title : Influence of restorative techniques on coronal sealing ability of recent resin materials in endodontically treated teeth.



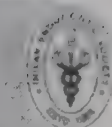
Abstract :

One hundred and six freshly extracted single rooted human teeth were taken and stored in sterile water after thorough cleaning. Following endodontic treatment, the standardized access cavities (3mm in diameter and 6mm ndepth) were restored with Surefil, Dyract AP or Fuji II LC y bulk or incremental filling techniques in 10 teeth each. Polymerization of the restorative materials was done either by transenamel polymerization or polymerization from occlusal direction. Radiographic evaluation was done to assess the quality of restorations and then specimens were subjected to thermocycling. Coronal sealing ability was assessed by bacterial penetration in a double chamber odel system. An innoculum of the



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Streptococcus sanguis in brain heart infusion (BHI) broth was placed in each coronal chamber and daily observations were made for appearance of turbidity in the apical chamber. Statistical significant difference was observed among all the group. Fuji II LC showed least leakage (average 39.4 days) followed by Surefil (average 32.5 days) and Dyract AP (average 22.8 days). There was a significant difference between bulk & incremental filling techniques, however occlusal and transenamel polymerization depicted no significant difference.

94

Name : Dr. RUCHI GUPTA
Guide :
College : Government Dental College, PGIMS, Haryana.
Title : Effect of different cutting instruments and their speed on bond strength of composite to dentin with Prime & Bond NT as self etch Primer.



Abstract :

Prime & Bond NT contains a phosphoric ester PENTA having a pH equal to 2.2 & acts as a self-etching agent. Differences in smear layer prepared with different burs have been reported to affect the bond strength of composite to dentin using self-etching primers. In this study, teeth were divided into six groups : diamond burin airtor, diamond burin micro motor, crosscut carbide bur in airtor, crosscut carbide burin micromotor, smooth carbide burin micro motor, #600-grit silicon carbide paper. Class II cavities were prepared and restored with Prime & Bond NT and composite resin under simulated pulpal pressure. Statistical analysis showed that the shear bond strength for diamond burin airtor, crosscut carbide burin airtor and micromotor was significantly higher than diamond burin micromotor, smooth carbide burin micromotor & silicon carbide abrasive paper. It was concluded that both the type of bur & speed affects the bond strength, however speed plays an important role in case of diamond burs only.

95

Name : PRAVEEN S. BYAKOD
Guide : Dr. S.V. Bhagvat
College : Institute of Dental Sciences, INMC Campus, Belgaum.
Title : Root resorption - A diagnostic dilemma or a treatment hassle.



Abstract :

Root resorption presents a challenge to dentists because of its often undetected or asymptomatic activity. Diagnosis typically results from an incidental radiographic finding. Treatment of some types of resorption can be fraught with frustration and failure. Therefore root resorption is a dental complication that can lead to tooth extraction. Invariably, tooth resorption results from injuries to or irritation of the periodontal ligament and / or tooth pulp. It may arise as a sequel of traumatic luxation injuries, orthodontic tooth movement, or chronic infections of the pulp of periodontal structures. This paper reacquaints the students with a diagnostic classification of and with treatment regimens for various types of root resorption, the knowledge of these entities and of the modalities of treatment for each can assist the dentist in providing the appropriate care to maximize retention of these affected teeth.



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96

Name : SANGEETA AGGARWAL
Guide : Dr. (Mrs.) Bhupinder K. Padda
College : G.D.C. Amritsar
Title : Recent advances in caries diagnosis
Abstract :



The caries process is dynamic, with demineralization *remineralization occurring all the time. It is the net balance of these events which determine whether the disease has reached irreversible stage or it is in the incipient stage which can be reversed. The need to diagnose caries as early as possible or in the reversible stage led to the need for more precise caries detection methods.

The recent advances in caries diagnosis include ultrasound caries detection, Quantitative Laser fluorescence, diagnodent, Digital Imaging, Caries Detection Dyes, Electronic Caries Monitor, Di Fot and Tetra Hertz Pulse Imaging System. However, their level of accuracy and clinical applicability and feasibility in dental clinics is yet to be established.

97

Name : Dr. REKHA RAO
Guide : Mithra N. Hegde
College : A.B.Shetty Memorial Institute of Dental Sciences,
Title : Apical inflammatory root resorption -
An endodontists' concern



Abstract :

Resorption is a condition associated with either a physiologic or a pathologic process resulting in the loss of dentin, cementum and / or bone. The process of tooth resorption involves an elaborate interaction among inflammatory cells, resorbing cells and hard tissue structure. Frequently this pathologic condition is difficult to predict, diagnose and treat. The selection of proper treatment is related to stimulation factors. Intrapulpal infection is the stimulation factor in internal root resorption and external peri radicular inflammatory root resorption. This paper presents case reports showing management of apical inflammatory root resorption with routine endodontics, to obtain a fluid impervious seal.

98

Name : Dr. MAYA KAMATH
Guide : Dr. Mithra N. Hegde
College : A.B.Shetty Memorial Institute of
dental sciences Mangalore.
Title : Endodontics in Challenging cases
Abstract :



Root canal treatment has a variable frequency of failure.

Several factors are related to these failures which may be due to a localized periodontal involvement (endo-perio lesion, primary endodontic with secondary periodontal involvement), perforations, procedural errors, and calcified infected root canals. Option of treatment coarse include Hemisection, Bicuspidation, Root resection and Curettage.

Aim of this presentation is to highlight that endodontic surgery is necessary but only in the absence of success of conservative treatment of periapical or interradicular lesion.



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99

Name : Dr. FARAH NIAZ
Guide : Dr. Mithra N. Hegde
College : A.B.Shetty Memorial Institute of dental sciences Mangalore.
Title : A Paradigm shift towards Aesthetic posts: Case reports
Abstract :



The restoration of endodontically treated teeth has been controversial for years because many empirical statements possess varying degrees of scientific support. Aplethora of dental literature is available extolling the virtues of diverse techniques to restore pulpless tooth. While these address a multitude of post and core designs including their pros and cons. This paper discusses the 'whys' for developing an innovative approach to coronoradicular restorations and presents a series of case reports on post-endodontic rehabilitation using aesthetic post systems.

100

Name : BALA SUNIL KUMAR. D
Guide :
College : BIDS, Sheshadri Road, Gandhinagar, Bangalore.
Title : Endodontic retreatment - Techniques & case reports
Abstract :



In recent years, the demand for endodontic treatment has dramatically increased. Majorities of today's patients opt for root canal treatment rather than extraction so as to retain their own teeth. For endodontists this is both 'good news' and 'bad news'. The good news is that more and more endodontic and restorative treatment is necessary. However, the bad news is that there are also an increasing number of endodontically treated cases that are failing for various reasons. These reasons need careful evaluation and correction during subsequent re-treatment.

Presently success rates after re-treatment is very high because of several newer techniques and devices. Clinicians need to have proper training, practice and knowledge of these newer technologies to hone their endodontic re-treatment skills.

This presentation discusses various aspects of endodontic re-treatment and reports two cases of successfully performed re-treatments.

101

Name : Dr. ASHOK. S
Guide : Dr. Jolly
College : G.D.C., Trivandrum
Title : Effect of Carbamide peroxide 10% on mercury release from amalgam.



Abstract :

Aim was to study if there was me** bleach out from amalgam restoration on exposure to 10% carbamide peroxide containing bleaching gel in comparison with saline and to see if this leach out affects the compressive strength of restoration. Result was that there was a substantial leach out of mercury from specimens immersed in 10% carbamamide peroxide containing bleaching gel and compressive strength was not affected. Amount of mercury release may vary among different amalgam brands.



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102

Name : K. SHASHANK
Guide : Dr. Birendra Uppin
College : K.L.E. Dental College, Nehru Nagar, Belgaum.
Title : Evaluation of Microleakage using different self-etching primers.

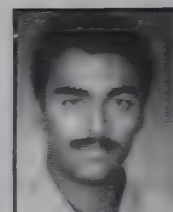


Abstract :

Microleakage at the tooth restoration interface is considered to be a major factor influencing the longevity of restoration. It has been suggested that bond strength of 20 Mpa for dentin bonding agent is necessary if the force of polymerization shrinkage is to be overcome. Several recently introduced dentin bonding agents have reported with bond strengths close to this figure. Hence, the purpose of this study is to evaluate microleakage of the newer generation dentin bonding agents (Adper prompt and I-bond) and compare with older generation (single bond). Thirty non-carious freshly extracted human premolars will be divided into three equal groups. Class V cavities will be prepared on buccal and lingual surfaces. Bonding adhesive will be applied and restored using Charisma resin composite. After thermocycling for 200 cycles, the surfaces around restoration will be coated with nail varnish, stained in 50% AgNO₃ for 12 hours and longitudinally sectioned. Microleakage will be evaluated with stereomicroscope. The results obtained will be subjected to statistical analysis.

103

Name : Dr. TOBY THOMAS
Guide : Dr. Kandaswamy
College : Meenakshi Ammal Dental College & Hospitals.
Title : The Backyard Transport Media.
Abstract :



Commonly available transport media, such as saliva, saline, milk has their own inherent disadvantages, on the other hand the most accepted media such as the Hank's Balanced Salt solution is something that is not easily available in remote areas. Hence this study is done to analyze the effectiveness of a commonly available media which is sterile, isotonic, antibacterial and easily available and whether it can be used as a viable transport media.

104

Name : Dr. KUSUM BASHETTY
Guide : Dr. Birendra Uppin
College : K.L.E's Institute of Dental Sciences and Research, Belgaum.
Title : Effect of one-step polishing system on surface texture of resin composites.



Abstract :

Since the introduction of composite resins, a myriad of studies have been followed to develop a finishing and polishing procedures that would produce a smooth surfaced restoration. Proper finishing of restoration is desirable not only for esthetic consideration but also for oral health. Resin composite restorations have to be smooth to reduce plaque retention and so to minimize possible gingival irritation, surface staining, patient discomfort and secondary caries. Improvement in resin composites and increased demands for superior esthetics have encouraged developments in both surface quality achieved by, and efficiency of use of, finishing and polishing kits. The goal is a smooth surface in a few simple steps. The purpose of this study is to compare quantitatively the surface roughness of anterior and posterior esthetic composite resin material using new one-step against conventional multi-step polishing systems.



National Conference

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105

Name : Dr. CHETANA MAKADE
Guide : Dr. Meshram
College : G.D.C., Nagpur
Title : Resistance of endodontically treated teeth restored with different post-core systems.



Abstract :

This study was conducted to compare the fracture resistance of endodontically treated teeth and mode of failure of teeth restored with cast post-core (orden alloy) stainless steel post (SB Post J Mortia USA) with composite core (Photocore Kurary, Japan) and glass fiber post (Mirafit White Post Hager & Werken Germany) with composite core. Forty recently extracted maxillary central incisors were treated endodontically and divided into 4 groups A) Endodontically treated teeth without post core, B) Cast post-core, C) Stainless steel post with composite core, D) Glass fiber post with composite core. All specimens were mounted on a special fixture, the load being applied lingually at 130° angle to long axis of tooth at a rate of 0.5mm/min until failure. The shearing force at failure was measured in Mpa and the type of failure was recorded as restorable and non-restorable. The results indicated that endodontically treated without post-core showed least fracture resistance while that of stainless steel post/composite core demonstrated highest fracture resistance (1279.99 + 100.45 Mpa) the mean fracture resistance value for teeth restored with glass fiber and stainless steel post was statistically non-significant ($p=0.3764$). All teeth restored with glass fiber post had restorable fracture making them more amenable to retreatment, with the advantage of being excellent as far as endo esthetics is concerned.

106

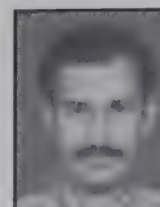
Name : Dr. ANITA SANAP
Guide : Dr. Meshram
College : G.D.C., Nagpur
Title : Collagen networking and Dentin bonding
Abstract :



Dentin bonding relies upon penetration of adhesive into dentin to form hybrid complex. Normally dentin bonding agents do not fully diffuse through collagen network thereby leaving weak unprotected collagen which subsequently on hydrolysis results in decreased bond strength. The present study was conducted to evaluate the effect of collagen removal by application of 5% Sodium hypochlorite on shear bond strength of Prime & Bond NT and Gluma Comfort Bond. Forty freshly extracted human sound third molars were selected, sectioned mesiodistally and surface treated with 37% phosphoric acid. Later experimental specimens were subjected to application of 5% NaOCl. After washing with water, excess water was removed and adhesives were applied for 30 seconds. All specimens were restored with composite resin and subsequently subjected to shear bond strength testing. Surface topography was observed by SEM and data analyzed. The results reveal that collagen removal effectively increases dentin adhesive bond strength in acetone based Prime & Bond NT adhesive system.

107

Name : RAJESH KUMAR JOSHI
Guide : Dr. Neelam Mittal
College : B.H.U., Varanasi
Title : Surgical repair of root perforation with Mineral Trioxide Aggregate



Abstract :

Root perforations constitute a perplexing problem in endodontic therapy and may result in permanent damage to the periodontal attachment, proliferation of epithelium, and continuous bone loss with eventual loss of



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teeth. The objectives of endodontic perforation treatment are to seal the dentinal defect and to gain regeneration of new periodontal attachment. The paper presents a case in which MTA was used to repair the perforation defect successfully.

108

Name : Dr. VISHAL SHARMA
Guide : Dr. Neelam Mittal
College : B.H.U., Varanasi
Title : Misinterpretation of Molar Pulp size Radiographs
Abstract :



Radiographs are used to get an indication of pulp size in healthy, diseased or restored teeth. The information is used especially when performing a procedure like crown cutting, making access preparation for endodontic procedures or to investigate the accessibility of pulp tissue for diagnostic testing using laser Doppler flowmetry. Not all the information provided by the radiographs is perfectly reliable. The paper presents the results of an in vitro study performed to find out the reliability of pulp size obtained on radiographs.

110

Name : Dr. PRASANTH BALAN
Guide :
College : Government Dental College, TVM.
Title : Full mouth occlusal rehabilitation in a case of Amelogenesis Imperfecta - A multidisciplinary approach.
Abstract :



Amelogenesis Imperfecta represents a group of hereditary defects of enamel unassociated with any other generalized defect. It is entirely an ectodermal disturbance. Crowns of tooth may or may not show discoloration. If present it varies depending upon the type of disorder, ranging from yellow to dark brown. The overall shape of the tooth may or may not be normal depending upon the amount of enamel present on the tooth and amount of occlusal and incisal wear. Treatment in such case poses a great challenge to the dentist and requires a multi disciplinary approach. This paper presents treatment carried out for such a patient reported in our department.

111

Name : DR. SMITHA K. SALAGARE
College : Rural Dental College, Loni
Guide : Dr. Rahul Maria
Title : Case Reports of apical barrier formation and obturation of open Apex cases using thermoplasticized technique
Abstract :



Key to success of root canal T/t is mainly dependent on the proper cleaning and shaping and 3-dimensional hermetic obturation. Hermetic obturation of root canal is of great importance as 60% of endodontic failure cases attributable to incomplete obliteration and improper apical seal of root canal system (Ingle & Backland 1994) Hermetic obturation of root canal is of great importance as 60% of endodontic failure cases attributable to incomplete obliteration and improper apical seal of root canal system (Ingle and Backland 1994) The clinical application of many obturation techniques used today, demands the preservation of the natural apical



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constriction; but in clinical practice, these are cases, where the apical foramen is 'wide open' because of incompletely formed root apex, over instrumentation, root resorption, trauma.

During endodontic treatment the open apex makes the obturation difficult because there is no 'apical stop' against which filling can be condensed. Thus, the preparation of an artificial apical stop is very difficult to achieve and usual gutta percha condensation techniques results in overfilling. Therefore special obturation techniques are needed after formation of apical barrier. Presented here, some clinical cases of nonvital teeth with wide apical foramen were treated with Ca (OH)₂ and MTA to create apical barrier and obturation was done with thermoplasticized gutta percha technique and minimum 6 months follow up taken.

112

Name : DR. RUCHA WALIMBE
College : P.M.T. Rural Dental College, Loni
Guide : Dr. Rahul Maria
Title : Pulse Oximetry - A Clinical Evaluation of the Diagnostic innovation



Abstract :

Evaluation of pulpal vitality is an all-important diagnostic aspect of treating traumatized teeth. Since, it is purely a function of vasculature health, a direct measurement of pulpal circulation is its only real measure. Hence, modalities like Laser Doppler Flowmetry, pulse oximetry are being explored, which indicate pulpal vascularity status. The clinical study utilized pulse oximetry to measure directly blood oxygen saturation levels (SaO₂) of the pulps of anterior teeth in patients with and without history of trauma. As a control group, to confirm the readings, 10 known non-vital, root-filled teeth were tested. The systematic SaO₂ levels also were recorded and correlated with those of teeth. The results were statistically analyzed. Since, reproducible SaO₂ levels are obtainable on vital teeth, pulse oximetry has immediate value in providing base-line data for traumatized teeth.

113

Name : DR. R. MENSUDAR
College : SAVEETHA DENTAL COLLEGE & HOSPITAL
Guide : Dr. L. LAKSHMINARAYANAN
Title : Conservative Bridges using FRL - Case reports



Abstract :

The technology and materials available to today's dentist offers various solutions to may complex problems. Advances in resin composites have enhanced and supplemented fiber reinforced composite (FRC) technology. Though conservative bridges are being practical for more than half a century, these advancements has opened up new avenues for replacing missing tooth as it provides the potential for a metal free and ceramic free fixed partial dentures with long term durability and excellent esthetics.

114

Name : DR. KAPIL GUPTA
College : Sharad Pawar Dental College
Guide : Dr. W.N. Ghonmode
Title : Role of lasers in endodontics



Abstract :

Lasers (light amplification by stimulated emission of radiation) were first developed in 1958 by Schwalow and Townes and since then many laser systems have evolved. After being successfully used in medicine, lasers



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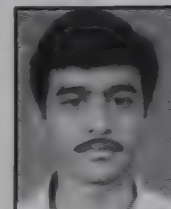
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were introduced in endodontics in 1971 by Weichman for closure of root apex. After the laser physics have been applied in many aspects of endodontics ranging from pulp testing to root canal filling with varied degree of success. There were initial skepticism, hesitation, caution, and rejection, but it has stood the test of time and when used correctly, lasers offer an acceptable and impressive alternative to conventional tools and methods in the field of endodontics. As Alfred Lord Tennyson said "the old order change the yielding place to new"

115

Name : Dr. B. SATYANARAYAN
College : Tamil Nadu Government Dental College and hospital.
Guide : Dr. S.Prakasam.
Title : Fibre Reinforced Composite Resin Bridges - Case Report.
Abstract :



Composite Resin has become an amazing material in restorative dentistry. The photopolymerizing version as well as the low viscosity flowable composite resin have widened the scope of composite resin usage in dentistry.

One of the main aims of restorative dentistry is conserving the natural tooth structure. Composite resin bridges require minimal tooth preparation only. Reinforcing the resin bridges with fibre adds to strengthen the restoration. This paper highlights the usage of fibre reinforced resin bridges as an alternate to fixed partial dentures in few selected cases.

116

Name : MARINA FERNANDES
College : Goa Dental College
Guide :
Title : Management of fine and calcified canals.
Abstract :



Various forms of calcification are commonly found with the pulp. They may present as pulp stones or extensive diffuse calcifications. They may be formed in response to irritation or trauma and may result in partial or total obliteration of the canal space. Pulpal response to trauma is known as calcific metamorphosis. Approximately 3.8% to 24% of traumatized teeth develop varying degrees of calcific metamorphosis. Such teeth pose a problem to the clinician during endodontic therapy.

Various methods have been described for the successful management of fine and calcified canals. This paper discussed the management of a few clinical cases of fine and calcified canals.

117

Name : Dr. AMIT HEDA
College : Sharath Power Dental College
Guide : Dr. W.N. Ghonmode
Title : Direct Fiber Reinforced Composite Resin Post and Core System - A Newer Concept.
Abstract :



Selecting the post & core system for a specific clinical situation requires an evaluation of the various components and interfaces of the system. These include the root dentin surface, intraradicular post, core build-up, luting cement and the crown.



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The fiber reinforced composite resin post and core has optimal esthetical harmony with the surrounding dentition, resistance to root failure, corrosion & rotational effects. With its modulus of elasticity, flexural and tensile strength are similar to the root structure providing uninterrupted bonding at all interfaces.

Core stability and post retention are important in preventing failures in the restoration of the endodontically treated tooth. The fiber reinforced composite post utilizes the internal anatomy to increase bond strength. The dual curing luting agent used, strengthens the canal walls, reinforcing the root and supporting the tooth-restorative complex.

Comprehension of the disparity and complexity of the interrelation of the interfaces involved is the key to successful rehabilitation of endodontically treated tooth.

118

Name : Dr. MEERA GOPALAKRISHNAN
College : Saveetha Dental College and Hospitals
Guide :
Title : Evaluation of Fracture Resistance of Reattached Tooth Fragments using Five Different Techniques.



Abstract :

Coronal fracture of the anterior teeth is by and far the most frequent kind of dental injury in the permanent dentition. Restoration of such teeth is a challenging task that allies conservation of healthy tooth structure, esthetics, function and durability. Achieving near ideal anterior restorations will help us to bring them out of the reclusive mask and the mental trauma that they are going through. And what could be more ideal than reattachment of their own tooth fragment. This study strives to compare and evaluate the fracture resistance of reattached tooth fragments using different techniques, like a) Simple Bonding, b) Enamel Beveling, c) Using an Internal Dentinal Groove, d) An External Chamfer and e) A Window Preparation followed by a Composite Restoration. The results were analyzed statistically.

119

Name : Dr. M. KIRAN KUMAR
College : Govt. Dental College & Hospital, Hyderabad
Guide : Dr. V. Manisha Choudary
Title : Bonding to enamel and dentin using self-etching adhesive systems



Abstract :

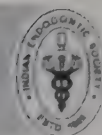
This study investigated the effectiveness of three different dentin adhesive systems on the adhesion of resin composite to both dentin and enamel.

Method and Materials : The flat dentin and enamel surfaces of 30 extracted human molar teeth were exposed by wet grinding with 600 grit silicon carbide paper. One total-etch self-priming adhesive system (Prime & Bond NT), one two-step self etching primer adhesive system (Clearfil SEBond), and one "all-in-one" self etching adhesive system (Prompt L-Pop) were evaluated. Each bonding system was applied according to the manufacturer's instructions and followed by composite (TPH Spectrum) application. Twenty-four hours after bonding, the teeth were subjected to shear testing. There were 10 replicates for each group.



National Conference

19th Federation of Operative Dentistry of India
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120

Name : Dr. ABHINAV DIWAN
College : M.S. Ramaiah Dental College & Hospital
Guide : Dr. B.V. Sreenivasa Murthy
Title : Finite Element Analysis - A tool for virtual reality
Abstract :

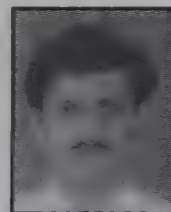


Finite element analysis is a numerical method of structural analysis based on the principle of dividing a structure into a finite number of small elements that are connected with each other at the corner points or nodes. For each element its mechanical behaviour can be written as a function of the displacement of the nodes. These nodes are subjected to certain loading conditions resulting in a behaviour of the model similar to the structure it represents.

When a computer analysis is performed, a system of simultaneous equations can be solved to relate all forces & displacements at the nodes. From this the stress and strain contour can be solved to relate all forces and displacements at the nodes. From this the stress and strain contour can be established in each element and thus the whole body. The objectives of seeking this knowledge is to predict the clinical performance of the restorative modalities and to provide guidelines for their use. Application of the principles of FEA will enable the clinical to better understand the specific situations, which arises and will assist in establishing treatment modalities with improved prognosis.

121

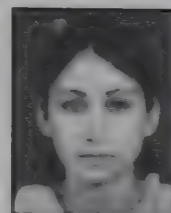
Name : Dr. MADHU KIRAN .M.K
College : M.S. Ramaiah Dental College
Guide : Dr. B.V. Sreenivasa Murthy
Title : Evaluation of smile
Abstract :



Smile is a facial expression characterized by an upward curving of the corners of the mouth and indicating pleasure, amusement, or derision. Smile helps in social presentation of a person. All people are not bestowed with a pleasant smile, we the noble professionals of dentistry are gifted an art in the correction of such an unpleasant smile. This study emphasizes the appreciation of the objective and subjective parameters of the smile.

122

Name : Dr. MANJU KUMARI
College : D.A.V. Dental College
Guide : Dr. Poonam Bogra
Title : Comparison of Micro Leakage using Giomer and two composite resins with and without dentin deproteinization. An in vitro study
Abstract :



The objective of this study is to evaluate the effect of deproteinization on the microleakage using three light cure materials.

Thirty extracted human molars were selected and standardized class V cavities were prepared on both buccal and lingual surfaces. Teeth were divided into three groups having ten teeth each. On the buccal surfaces teeth were restored with Fluorbond FL, Prime & Bond NT & Comfort Bond according to the manufacturers instructions. While on the Lingual surface in addition collagen was removed using 5% sodium hypochlorite. The microleakage was evaluated for all the samples. The results are being compiled and will be sent shortly.



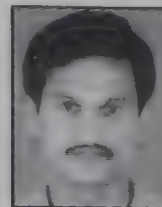
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19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



123

Name : Dr. SRIDHARA .K.S
College : Govt. Dental College
Guide : Dr. M. Kala
Title : Maxillary Premolar with S-Shaped Canal - A Case Report
Abstract :



S-shaped or bayonet shaped canals can be troublesome and challenging. Since they involve at least two curves, with the apical curve being the most vulnerable to deviations in anatomy and loss of working length.

S-shaped canals are found in the maxillary lateral incisors maxillary canine, maxillary premolars and mandibular molars.

This paper consists a case of endodontic management of a maxillary premolar with S-shaped canal.

124

Name : Dr. RAJNEESH KUMAR
College : DAV Dental College, Yamunanagar
Guide : Dr. Poonam Bogra
Title : Effect of canal drying method on apical seal
Abstract :



One of the most important treatment procedure for optimum long term clinical success of root canal treatment is the adaptation of material along the walls of the root canal and its apical constriction. Apart from other factors moisture is one which affects close adaptation of the material along the walls of root canal; thereby causing the micro-organisms to pass through the root canal system.

The purpose of this study was to evaluate sealing ability of obturating materials under different drying conditions. Freshly exacted human maxillary incisors were prepared biomechanically with step-back technique. Teeth were then divided into five groups and were dried with one paper point, four paper points, four paper points followed by gentle brush of warm air, four paper points followed by heated plugger put inside the canal, 95%, ethyl alcohol and then obturation was done. Finally all the teeth were immersed in India ink and were sectioned to see the dye leakage.

Results are being compiled and will be sent shortly.

125

Name : Dr. KANWALPREET DHALIWALL
College : Sri Ramachandra Dental College
Guide :
Title : Title Grossman's Criteria - Where does it stand?????
Abstract : To determine whether the first file that fits at the working length corresponds to the canal diameter.



Methodology :

Mandibular first and second molars with curved mesiobuccal canals were selected. Following access cavity preparation and pulp tissue removal, apical patency was confirmed using smaller size k-file. The actual canal length and working length determined. Coronal aspect of each canal flared using gated glidden drills. Each canal irrigated with two ml of 2.5% NaOCl. Increasing sizes of k file were inserted into the canal starting with size 8 until binding occurs at the working length. Files were fixed at the working length in canals with acrylic resin. Apical 1mm of each root removed by grinding to expose the canal and instrumented at working length. The root surface exposed by apical grinding was observed under microscope.



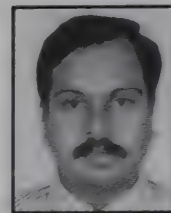
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19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



126

Name : Dr. VENKATESH .A
College : Ragas Dental College, Chennai
Guide : Dr. R.Indra
Title : Management of External Apical
root Resorption - A Different Approach



Abstract :

A case report of the treatment and the evaluation of four maxillary anteriors with external apical root resorption due to orthodontic tooth movement in a 25 year old female patient is presented. Endodontic treatment was carried out in root compromised maxillary incisors to arrest further resorption. Titanium Endodontic Endosseous implant was used to stabilize the maxillary right central incisor, which showed grade II mobility. This paper discusses the rationale for selecting this treatment modality.

127

Name : Dr. RAISON SUJAI BOSE
College : Saveetha Dental College & Hospitals
Guide :
Title : Invivo Evaluation of Shade Matching Ability
of 3 composites by Visual Method



Abstract :

Harmonious color matching becomes an important aspect of restorative density. Now more than ever, discerning demands from patients have increased the requirements for more esthetic, natural looking restorations that has a tooth like surface. A delicate balance of value, hue, chroma, translucency and opalescence to blend perfectly with natural tooth structure is essential. It is essential to have all the shades of resin composites in our armentarium to achieve this. Recently a few composites have been introduced with lesser number of shades of match all the existing shades, in an attempt to reduce the number of composites in our armentarium. These resin composites are designed to mimic refractile and reflective properties of the surrounding tooth structure allowing a simple shade layer technique to provide a chameleon effect and invisible esthetics. The aim of this invivo study is to compare the shade matching ability between three newly introduced composite restorative materials.

128

Name : Dr. K. KARTHIKEYAN
College : Ragas Dental College, Chennai
Guide : Dr. R.Indira
Title : Fused Maxillary Lateral Incisor an
Endodontist Enigma - Case Report



Abstract :

Fused teeth arise through the union of two normal tooth germs and depending upon the stage of development of the tooth at the time of union, fusion may be complete or incomplete. On some occasions, two independent pulp chambers and root canals can be seen. However fusion can also be union of a normal tooth bud with a supernumerary tooth germ. Endodontic treatment of these teeth demands special care & attention.

This paper presents a case of caries involved fused maxillary lateral incisor with a supernumerary tooth & its endodontic management.



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12th Indian Endodontic Society



129

Name : Dr. SWATY JHAMB
College : Dental College, DAB (C), Yamunanagar
Guide :
Title : Antibacterial Effect of Calcium Hydroxide
and Chlorhexidine on Enterococcus Faecalis
an In-vitro study



Abstract :

The aim of this in-vitro study is to test and antimicrobial effect of Calcium Hydroxide and Chlorhexidine on Enterococcus faecalis. Enterococcus faecalis is the most common bacteria isolated from root canals in both primary treatment and retreatment groups. Irrigation with Chlorhexidine gluconate is based on its broad spectrum antimicrobial effect. Calcium Hydroxide is effective antimicrobial agent because of its high alkalinity. In this study E.faecalis were grown on Blood Agar plates. Agar plates were swabbed with E.faecalis, and filter paper points were saturated with test agents were placed on plates and incubated for 72 hrs. The zones of inhibition were measured.

Results are being compiled and will be sent shortly.

130

Name : Dr. R. PRAKASH
College : Meenakshi Ammal Dental College
Guide : Dr. Kandaswamy
Title : A bleach that does not leach
Abstract :



Intra canal bleaching services as a conservative alternative in treatment of discoloured pulpless teeth. A new bleaching agent "Sodium per carbonate" has been proved to be as efficacious comparable to "walking bleach", which is notorious to cause cervical resorption in long term. Hence, purpose of this study was to compare the dentin micro-hardness using these bleaching agents, at different levels of dentin and at different time periods during bleaching and post bleaching to asses the bio-compatibility of sodium per carbonate in avoiding cervical resorption.

131

Name : Dr. RYAN ALBERTO
College : Goa Dental College
Guide :
Title : Traumatic Injuries to Teeth -
A Conservative Approach



Abstract :

The treatment strategy after injury to a permanent tooth is dictated by the concern for vitality of the periodontal ligament and the pulp. Subsequent to be initial management of the dental injury, continued periodic monitoring is indicated to determine clinical and radiographic evidence of successful intervention. The paper discusses various cases of traumatic injuries to teeth that were managed conservatively, with esthetic result.



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



132

Name : Dr. PALLAV PATNI,
College : Sharad Pawar Dental College
Guide : Dr. W.N.Ghonmode
Title : Out of Blue - Argon is in! "Polymerization with Argon Lasers"
Abstract :



As dental technology continues to evolve, new methods of performing certain dental procedures will continue to replace those once thought pinnacle.

Adequate polymerization is a crucial factor in obtaining the optimal clinical performance that ensures that the restoration serves its intended function effectively, safely and for a reasonable period of time.

Polymerization with conventional light cure provided less than desirable bond strength, depth penetration, extended curing time.

The 'Argon lasers' ascends the throne over the conventional light cure in bond strength with increased depth penetration, minimum exposure time and a smaller maximum temperature rise.

Implication of Argon lasers in conservative dentistry will ultimately depend on the selection of a proper wavelength which leads to optimum and predictable results. Argon lasers offer not only a window, but a door into this high tech and potentially rewarding area.

Purpose of this paper is to review the merits concerning the process of polymerization of Argon lasers over conventional light cure with scientific support.

133

Name : Dr. ARUNDHATI SENGUPTA
College : Tamilnadu Government Dental College & Hospital, Chennai.
Guide : Dr. S. Prakasam, M.D.S
Title : "Endodontic Stabilisers" - A Case Report
Abstract :



One of the least used and most easily forgotten instruments in an endodontics' tool kit is an endodontic stabilizer. This case report is an attempt to revisit a viable clinical option applicable in select cases using a modified approach.

134

Name : Dr. KARTHIK SHETTY
College : Manipal College of Dental Sciences
Guide :
Title : Porcelain Laminate Veneers - A Case Report
Abstract :



This case report is based on porcelain laminate veneering for a patient with enamel hypoplasia.

The patient came to the department complaining of discolored dentition with minor aberrations in their alignment. A treatment plan with porcelain laminate veneers was designed, to mask the discolorations and correct minor imperfections in the alignment of the upper anteriors.



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135

Name : Dr. N.B.P. SURYA KUMARI
College : Govt. Dental College & Hospital, Hyderabad
Guide :
Title : Influence of salivary contamination of Shear Bond Strength of one step adhesive system



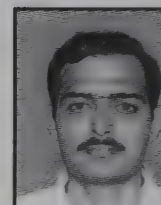
Abstract :

The present study is conducted to evaluate influence of salivary contamination during dentin bonding procedures on the shear bond strength and effect of contaminant removing treatments on recovery of bond strength for one step adhesive systems.

50 Human molars with occlusal dentine surface exposed by wet grinding with 800 grit silicon carbide abrasive paper were divided into 5 groups after surface treatment with 35% phosphoric acid as follows : Gr I-(Control) uncontaminated, Gr II-Salivary contamination, completely dried; Gr IV - Salivary contamination wash, blot dried; Gr V-Salivary contamination retched 10 s wash, blot dried. Then bonding agent is applied and cured for 10 seconds and composite was placed in cylindrical molds and light cured for 40 sec. The bonded specimens are stored in water bath at 37°C for 24 hrs. and shear bond strengths are measured using an INSTRON testing machine, results are subject to statistical analysis for comparison among the above groups.

136

Name : Dr. GOWRISH
College : Saneetha Dental College
Guide : Dr. Poonam Bogra
Title : Evaluation of Polymerization of resin cements cured using different light source



Abstract :

Metal free ceramics have gained popularity in recent years as esthetic restorations. Resin cements are used widely for the cementation of these indirect restorations. The complete polymerization of these resin cements in controversial, though various light sources are recommended for polymerization.

This study was done to compare the efficiency of various light curing sources in polymerizing resin cements beneath metal free ceramics using the micro tensile bond strength method.

Three light curing sources were used in this study viz., L.E.D (Light Emitting Diode), Conventional tungsten Halogen unit, soft start polymerization unit were used to cure a dual cure resin cement (Variolink) beneath ceramic laminates of uniform thickness of 1.0 mms prepared on extracted maxillary central incisors. Micro tensile bond strength tests were carried out after specimen preparation and the results were compared statistically.

137

Name : Dr. PONNAM KHATWANI
College : Sharad Pawar Dental College,
Guide : Dr. Ghonmode
Title : Straight Line Access and Coronal Flaring, Effect on Canal Length



Abstract :

The determination of working length and its maintenance during cleaning and shaping procedures is a key factor for successful endodontic treatment.



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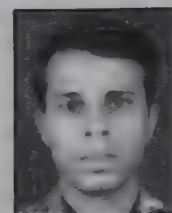


The object of this in vitro study was to determine if canal length is altered as a result of straight line access (SLA) and coronal flaring (CF).

If working length was determined before SLA and CF, and SLA and CF resulted in significantly decreased canal length, the outcome would be inadvertent instrumentation beyond the prescribed end point. A significant decreased working length would indicate that working length should be determined after SLA And CF or that radiographic or electronic reevaluation is necessary after SLA and CF are performed.

138

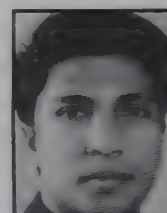
Name : Dr. HEMANT .T. VAGARALI
College : P.M.N.M. Dental College, Bagalkot
Guide :
Title : Surgical & Restorative Approach to treat deep crown fractures
Abstract :



Since trauma to the anterior teeth has a great impact on the appearance and well being of the patient, such cases require immediate action to preserve the affected teeth. In this case trauma resulted in a very deep complicated crown-root fracture of one incisor and complicated crown fracture in another incisor in an 18 year old boy. A combination of surgical extrusion and post core and full crown restoration was chosen to achieve quick esthetic results.

139

Name : Dr. HEBEEBULLA
College : Dental College, Thiruvanthapuram
Guide : Dr. Jolly
Title : Environmental Effects of Dental Amalgam
Abstract :



Dental amalgam is one of the most commonly used materials in restorative dentistry. However one of its major components, mercury, is of particular concern due to its potential adverse effects to humans and environment.

There are four possible harmful effects of dental amalgam - Oral galvanism, toxicity, allergency and ecological grievances. Problem of environmental mercury contamination will not be solved by banning dental amalgam. As medical professionals, we should consider the various possibilities that can satisfy both the application of dental amalgam as a restorative material as well as minimizing the environmental effects. Tacking this problem by the application of simple guidelines for mercury waste handling will reduce the environmental concerns of dental waste to an insignificant level without compromising dental amalgam's important role in dentistry.

140

Name : Dr. (Mrs.) BHUPINDER KAUR PADDA
College : Punjab Government Dental College & Hospital
Guide :
Title : Use and Abuse of Rotary Instruments
Abstract :



The past ten years have been witness to many changes in endodontics, and this trend will continue in the foreseeable future. The introduction of new technologies has resulted in endodontics becoming faster, easier



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and most important better. Paramount among these changes has been the introduction of nickel-titanium (NiTi) rotary instruments than results in consistent, predictable and reproducible shaping. But this had led to overzealous and quite often non judicious use of these systems which can result in more procedural mishaps, file breakages and apical transportation.

Rather than going with the wind, one should introspect carefully and decide according to the clinical situation one is confronted with. The evolving rotary technologies definitely invite for simple endodontics but they cannot be solely relied upon for all cases. Every success with dental performances mainly depends on the dentist and secondly comes from the material. The hand instrumentation is a time tested method and this should be combined with rotary instrumentation resulting in so-called the hybridization strategy.

141

Name : Dr. SAQUIB INAMDAR
College : A.B. Shetty Dental College
Guide : Prof. Moksha Nayak
Title : Nature's Boon - Saliva
Abstract :



Saliva is truly nature's miracle to the oral cavity. Stimulated and unstimulated saliva are of great importance in the maintenance of oral balance. In a healthy oral environment, there is a striking balance between the acid production and the buffering capacity of the saliva. There can be devastating results if the balance is lost. Change in either the secretion or the composition of saliva can adversely affect the oral balance. When sugar and other fermentable carbohydrates reach the bacteria, they form acids which start to dissolve the enamel. An early carious lesion occurs due to the loss of calcium and phosphates. When the sugar composition has seized, saliva can wash away sugars and buffer the acids. Calcium and phosphates can again enter the tooth.

The process is strongly facilitated by fluorides, calcium and phosphate substitutes. This presentation highlights the role of saliva and its relationship with dental caries.

Can there be a conceptual change from dental surgery to dental medicine?

142

Name : Dr. LAKSHMI REDDY
College : Sri Ramachandra Dental College
Guide :
Title : Fungi in chronic apical periodontitis
Abstract :



Fungi are chemo - Organotroph Eukaryotic Micro organisms that can take part in endodontic infections and may participate in the aetiology of periradicular diseases. Candida albicans have occasionally been found in primary root canal infections but, they seem to occur more often in root canals of obturated teeth in which treatment has failed. It has been considered a dentinophilic micro organisms because of its invasive affinity to dentin and it has also been discovered to be resistant to some intracanal medicaments, such as calcium hydroxide. The purpose of this paper is to investigate the occurrence of candida albicans in root canal samples from teeth associated with chronic apical periodontitis. The results are tabulated and presented.



National Conference

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12th Indian Endodontic Society



143

Name : Dr. BIJI BALAN
College : M.R. Ambedkar Dental College
Designation :
Title : Building A Tooth - "A Myth or A Reality"
Abstract :

During the last 15 years, researchers have started to understand tooth development at the gene level. There are a number of genes known to regulate the position, shape or number of teeth. All genes have important function in the mediation of cell communication, and the considered the most important mechanism driving embryonic development. The communication is mediated by small signal molecules that are sent to nearby cells, thereby affecting their behaviour and advancing differentiation. The defects in several human conditions affecting tooth development have been identified recently. Experimental studies using transgenic mice as models for human syndromes like ectodermal and cleidocranial dysplasia have pinpointed the exact roles of the disease genes and indicated ways for possible new therapies. By combining knowledge of molecular regulation of tooth development with the recent breakthroughs in stem cell research, dreams of building new teeth in dental practice may come true in the near future.

144

Name : Dr. HARPREET SINGH
College : Dr. M. Warhad Pande
Designation : Lecturer
Title : Touch N' Tell - redefining the Communique
Abstract :

With multiple keys to the lock of successful endodontics, perhaps the master key is the patient's compliance. The major difficulty encountered intraoperatively is the lack of effective communication between the dentist and the patient.

With Rubber dam in his mouth, the patient is virtually rendered speechless and makes futile efforts to convey the cause of his discomfort, while the endodontist so deeply engrossed inside the tooth either tends to overlook the entire situation or can hardly understand what his patient wants to say.

The need of the hour is thus to create an effective communique between both so as to achieve new standards in dentist - patient relationship which is definitely a building block for successful endodontics.

(Continued from page No. 58 : **The Abstract of Dr. MADHU VARMA**)

Effect of sealer on vertical fracture resistance of root canal treated roots : In vitro study

In Restorative dentistry numerous studies have demonstrated coronal reinforcement of tooth through adhesive restorations. Adhesive sealers are now available that may offer an opportunity to reinforce endodontically treated roots. The aim of the study was to compare the vertical fracture resistance of endodontically treated mandibular incisor roots obturated with gutta-percha in conjunction with 3 types of root canal sealers.

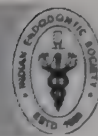


Poster Presentations



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Poster Presentation Group - I

Sl. No.	Name	College	Topic
16.	Dr. Anita A. Menda	Manipal College of Dental Sciences, Mangalore	Preservative Operative Intervention - How to intervene
17.	Dr. Manuel S. Thomas Dr. Sandya Kini Dr. Krishna N.	MCODS, Manipal	Take care to provide care Occupational hazards
18.	Dr. Shameem Yusuf	Yenepoya Dental College Mangalore - 575003	Protaper - Taking the curves with ease
19.	Dr. N. Ravikumar Dr. M. Senthil Kumar	Ragas Dental College Chennai	Does amalgam exit or exist
20.	Dr. Purushotham	Bapuji Dental College Davanagere	How blind are endodontists ?
21.	Dr. Gaurav Setya	JSS Dental College Karnataka	Water Lase - The Genie is out !
22.	Dr. Rini Rajendran Dr. Manjusha M. Pai	GDC, Trivandrum	Occlusal rehabilitation in ectodermal dysplasia: a case report
23.	Dr. Vivek Sharma	College of Dental Sciences	Modern endodontic office design
	Dr. Gaurav Patri	Davanagere	in 'Information age' fantasy or Reality
24.	Dr. Vidya Saraswati	MCODS, Manipal	Root reinforcing technique
25.	Dr. B.N. Suresh Kumar Dr. R.V. Shravanthi Dr. M. Deepthi	Saveetha Dental College Chennai	Comparison of P ^H changes with ca(OH) ₂ points, paste, powder in root dentin
26.	Dr. T.S. Vinoth Kumar Dr. P.V. Shyamala	Saveetha Dental College Chennai	Evaluation of Remineralisation of artificial caries lesion using ACP-CCP & Fluorides
27.	Dr. Tina Gupta	Meenakhsi Ammal College & Hospital, Chennai	Hydroxyapatite - Dissected !
28.	Dr. Pujari Siddhartha Ram Dr. Kiran S. Dr. Waseem Asif	GDC, Bangalore	Role of Smart Material in dentistry
29.	Dr. Paras Mull J.	AME'S Dental College & Hospital, Raichur	Dentin Mining Paraphernalia
30.	Dr. Kristlee Fernandes	GDC, Goa Prep bur	I'm Smart, I'm Intelligent-Smart



National Conference

19th Federation of Operative Dentistry of India
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Poster Presentation Group - II

Sl. No.	Name	College	Topic
1.	Dr. Jyoti Mandlik Dr. Kalpana Pawar	Bhartiya Vidyapeeth Dental College, Pune	Who is the Culprit ? Endo or Perio
2.	Dr. Deepak S. Parwani	GDC, Ahmedabad	The Future of Dentistry : Nano Dentistry
3.	Dr. Pankaj Gupta Dr. Nidhi Jain	Nair Hospital Dental College, Mumbai	Radiation Therapy : From Darkness to Light
4.	Dr. Lalit Chandra Boruah	Regional Dental College, Guwahati	Rhythmic Endodontics : Sonics & Ultrasonics
5.	Dr. Pampa Adhya	Dr. R. Ahmed Dental College Kolkata	Nature Look - in restorative Dentistry
6.	Dr. Pragya Pandey	King George's Dental University, Lucknow	Challenges and Concepts in Preparation of Root Canal System
7.	Dr. Kamal Moolchandani	S.P. Dental College Wardha	Microcomputed Tomography in Endodontics
8.	Dr. Rashmi Arun Abad	Rural Dental College Loni	Diagnosis of Early Enamel & Dentine Cracks... Nip it in the Bud
9.	Dr. S. Nandini	Meenakshi Ammal Dental College, Chennai	Touch me not
10.	Dr. Vedavathi B.	M.S. Ramaiah Dental College Bangalore	Stem Cell Therapy- A Biological Approach to Regenerative Dentistry
11.	Dr. Ankur Razdan	M.S. Ramaiah Dental College Bangalore	Endosonics : Old wine in New Bottle
12.	Dr. Jyoti Kiran Dr. Megha	A.B. Shetty Memorial Inst. of Dental Sciences, Mangalore	The Language of Colours
13.	Dr. Sunil M. Eraly	A.B. Shetty Memorial Institute of Dental Sciences Mangalore	Electronic Endometrics
14.	Dr. Beena Philip Mathew	A.B. Shetty Memorial Institute of Dental Sciences	Incomplete Rhizogenesis - An Open Question !



National Conference

19th Federation of Operative Dentistry of India

12th Indian Endodontic Society



Poster Presentation Group - II

Sl. No.	Name	Mangalore College	Topic
15.	Dr. Udeeksha Nangia Dr. Rajeshwari A.V.	Manipal College of Dental Sciences, Mangalore	Air Turbine Handpiece - A Dentist's Scepter
16.	Dr. Aamir Rasheed Dr. George Jacob Dr. Shveta Dua	Manipal College of Dental Sciences, Mangalore	Fully Loaded
17.	Dr. Ratnakar P.	P.M.N.M. Dental College Bagalkot	Lasers in Conservative Dentistry
18.	Dr. Mathew Varghese Dr. Vinutha M.	J.S.S. Dental College Mysore	Adhesives - The Generation Gap
19.	Dr. Aruna Raj	Tamilnadu G.D.C. Chennai	Deadmen do tell Tales
20.	Dr. Mamatha Y. Dr. Emmanuel Dr. Hemamalathi	Meenakshi Ammal Dental College, Chennai	Break Off Point
21.	Dr. Omer Sheriff Dr. Krithika Datta Dr. B. Veni Ashok	Ragas Dental College Chennai	Visualisation Endogram
22.	Dr. Geetha Hiremath	Bapuji Dental College Davanagere	How Blind are Endodontists
23.	Dr. Yogesh Goel	MCODS, Manipal	Clash of Titans
24.	Dr. Pragya Shandilya	K.L.E.S'S Institute of Dental Sciences, Belgaum	Mineral Trioxide Aggregate
25.	Dr. Sameer Goyal	Saveetha Dental College Chennai	Evaluation of Coronal Seal of Four Core Materials at Different Time Intervals
26.	Dr. Bhupesh Mukhija	Meenakshi Ammal Dental College, Chennai	Dynamic Dentin
27.	Dr. Kanthi G. Dr. Annapurna Kini	G.D.C., Bangalore	Nanodentistry-Mission Possible !?
28.	Dr. Jeanne Monteiro	Goa Dental College Goa	Resilon - Real Safety, Real Strength, Real Proof
29.	Dr. Panna Narang Dr. Madhu Kiran	M.S. Ramaiah Dental College, Bangalore	Can you See Me



National Conference

19th Federation of Operative Dentistry of India
12th Indian Endodontic Society



Poster Presentation Group - III

Sl. No.	Name	College	Topic
1.	Dr. Preeti Prabhudesai	B.V. Dental College & Hospital Pune	Principles of Esthetics
2.	Dr. Anshu Minocha Dr. Neelam Mittal	B.H.U, Varanasi	Post head design & retention of Core Materials.
3.	Dr. Rangwala Abbashali S. Dr. Pradhya B. Wasnik	Dr. Nair Hospital Dental College, Mumbai	Broken Instrument - Broken Heart
4.	Dr. Reshma Pawar	Padmashree Dr. D.Y Patil Dental College, Mumbai	Different Polymerising Lights
5.	Dr. Opok Pertin	Regional Dental College Assam	Minimal Intervention Dentistry
6.	Dr. Somnath Pal	Dr. R. Ahmed Dental College, Kolkata	Newer Post Systems - Promising future Options
7.	Dr. Bhagyashree S. Dande	Sharad Pawar Dental College, Wardha	Microsurgery in Endodontics
8.	Dr. Unmesh D. Khanvilkar	Padmashree Dr. D.V. Patil Dental College, Mumbai	Current trends in Matrices
9.	Dr. Yogesh Upadhyay	P.M.T. Rural Dental College Loni	Frontiers in Endodontics
10.	Dr. Jeyavel Rajan	Meenakshi Ammal Dental College	A Gourmet for a famished tooth
11.	Dr. Suhas Mohanlal Dr. Maj. Sonali Sharma	R.V. Dental College Bangalore	An Overview of Mechanised Instrumentation in Endodontics
12.	Dr. L. Lakshmi Narayanan	Chennai	Apoptosis - death for survival
13.	Dr. Asit Vats Dr. Lavanya	A.B. Shetty Memorial Institute, Mangalore	Contact and Contour
14.	Dr. Amandeep Singh Uppal Dr. Shobha Nangrani	BIDS, Bangalore	Management of Broken instruments during root canal treatment
15.	Dr. Shamina Bawa	A.B. Shetty, Mangalore	'Re-form'ing the smile-a case of Amelogenesis imperfecta
16.	Dr. Rajeshwari A.V. Dr. Udeeksha Nangia	MCODS, Mangalore	Evolution of air turbine handpieces



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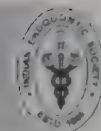
Poster Presentation Group - III

Sl. No.	Name	College	Topic
17.	Dr. Abhishek Parolia Dr. Bindu Meera John	MCODS, Mangalore	Play it Safe
18.	Dr. Vijaykumar L.	PMNM Dental College	Retrieval of metallic obturation from Karnataka root canal in endodontic Retreatment
19.	Dr. Jaseem Shamsuddin	KVG Dental College Sullia	Advances in colour matching
20.	Dr. K. Revathi	T.N.GDC, Chennai	Light Sources in dentistry
21.	Dr. Nandamuri Sridevi Dr. Bala Gopal S	Sri Ramachandra Dental College, Chennai	Nano Robots - a mission Possible !!
22.	Dr. A. Meena Reddy	College of Dental Sciences Davangere	Esthetics redefined - photography a guiding tool
23.	Dr. R. Anitha Dr. Mohammed Ghazan Faruddin Dr. Suneel Kumar Chinni	Ragas Dental College Chennai	Bioesthetic - Restoration
24.	Dr. M. Mohamed Aslamkhan Dr. M. Mohamed Abdulkader	Rajas Dental College Tirunelveli Dist.	To unveil the hidden-Recent advances in caries detection
25.	Dr. Sandeep Pahwa Dr. Shashidhar C.	College of Dental Sciences Davangere	Who moved my cheese (Waterlase & Ozone : Gateway to the future)
26.	Dr. Challa Raghavendra Sumanth Phani	SDM College of Dental Sciences, Dharwad	Ceramic Laminates
27.	Dr. V. Srilakshmi Dr. S. Vidhya	Saveetha Dental College Chennai	Effect of bleaching agents on microhardness of enamel & three restorative materials
28.	Dr. Nandita Bansal	KLE Institute of Dental Sciences, Belgaum	Revealing - the unrevealed
29.	Dr. Biji Brigit K. Dr. Prakash V.B.	GDC, Bangalore	Palatogingival groove - an endodontic enigma
30.	Dr. Udaya Bhasker	AIIMS New Delhi - 29	Root fractures - diagnostic dilemma



National Conference

19th Federation of Operative Dentistry of India
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Poster Presentation Group - IV

Sl. No.	Name	College	Topic
1.	Dr. Vipul Chowdhary	Bharati Vidyapeeth Dental College, Pune	Building proximal contact & Contours
2.	Dr. Manish Dr. Tasneem	GDC, Ahmedabad	Illusion - Today's fantasy tomorrow's future
3.	Dr. Neelu Jain Dr. Anjali Miglani	Subharti Dental College Meerut	Art-Option for classes, boon for Masses
4.	Dr. Sweta Dhanuka	R. Ahmed Dental College Kolkata	Virtual Reality in Dentistry a Reality
5.	Dr. Seema	GDC, Haryana	The Role of biological Modulators in endodontic therapy
6.	Dr. Vanita Gautam	Sharad Pawar Dental College Wardha	Posterior inlays & onlays
7.	Dr. Anupama Swarnkar	D.Y. Patil Dental College Mumbai	Microabrasion with nightguard vital bleaching
8.	Dr. Shikha Jaiswal	U.P.K.G's University of Dental Sciences, Lucknow	Trends in carious dentine excavation
9.	Dr. Tushar Ahuja	Sri Ramachandra Medical College Chennai	Touch 'N' learn
10.	Dr. Gopakumar N.	GDC, Trivandrum	Electronic apex locators-past, present & future
11.	Dr. Lakshmi Neelima	Meenakshi Ammal Dental College, Chennai	Antibacterial efficacy of 3 bonding systems
12.	Dr. Jamilee John Dr. Soumya Shetty	A.B. Shetty Memorial Institute of Dental Sciences Mangalore	Molecular Mechanisms of Signal transduction in Pulpal cells, during inflammatry & immune response
13.	Dr. Sahana D.S. Dr. Umrana	BIDS, Bangalore	Genetic Modalities - an era of unknown queries
14.	Dr. Saquib S. Inamdar	A.B. Shetty Memorial Institute of Dental Sciences, Mangalore	The balancing act.
15.	Dr. D. Bhattacharya Dr. Hemant T.V.	PMNM Dental College Bagalkot	The art & science of direct filling gold



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Poster Presentation Group - IV

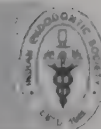
Sl. No.	Name	College	Topic
16.	Dr. C. Meena Kumari	Manipal college of Dental Sciences, Mangalore	Occlusion and MPD-a case
17.	Dr. Kailash M. Attur	PMNM Dental College Bagalkot	Rotary Instruments in Endodontics
18.	Dr. Vijay Kumar C.N.	K.V.G. Dental College Sullia	Comparison of various techniques for working length determination
19.	Dr. Tanvir Dr. Tushar	Sriramchandra Dental College Chennai	A Millenium of Dentistry
20.	Dr. Shrilatha Dr. Neha	K.L.E's Institute of Dental Sciences, Belgaum	Tissue Engineering - the Beginning of New Era
21.	Dr. Prasad S. Rane	S.P. Dental College Wardha	Microsurgery in Endodontics
22.	Dr. Sowmya R. Dr. Charitra Hegde	SDM College of Dental Sciences, Dharwad	Glass fiber post : An esthetic option to combat mutilation
23.	Dr. N. Guru Prasanna	TNGDC, Chennai	Photoactivated Disinfection
24.	Dr. Vani Vijayaraj Dr. Anjali Kaiwar Dr. Praveen Babu	The Oxford Dental College Bangalore	W. Length
25.	Dr. Y. Madhukar Rao Dr. Ankur Sehgal	Saveetha Dental College Chennai	Evaluation of microleakage of three bonding Agents using dye penetration method
26.	Dr. B. Mohan	Saveetha Dental College Chennai	Evaluation of hydroxyapatite & PRP in Bone regeneration An Invivo study
27.	Dr. Deeptigera Dr. Vivekananda Reddy	The Oxford Dental College Bangalore	Failures in Endodontics
28.	Dr. Raghavendra Reddy Dr. Amit Jena	The Oxford Dental College Bangalore	Caries Detection using Diagnodent
29.	Dr. Pardeep Khurana	CODS, Davangere	Instant (Resorative) Orthodontics Possibilities & Limitations
30.	Dr. B.K. Padda	PBGDC Hospital, Amritsar	Nightmare of obturating curved canals - made easier with microseal system



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Poster Presentation Group - V

Sl. No.	Name	College	Topic
1.	Dr. Upendra Bhogani	GDC, Ahmedabad	Engines of creation to the Finish Lines
2.	Dr. Viresh Chopra Dr. Gayatri Chawla	Subharati Dental College Meerut	Lasers : A new Frontier for conservative Dentistry
3.	Dr. Sonia Goyal	GDC Amritsar	Contemporary Endodontics
4.	Dr. Zotham T. Luangi	Regional Dental College Guwahati	Laser in Endodontics
5.	Dr. Shivani	GDC, Rohtak	Scope of Advancement In Composite Bonding to the Dentin-pulp complex
6.	Dr. Jose Mon K.J.	Dental Collge, Calicut	Carisolv-the trend Setter
7.	Dr. Amit Sethi	GDC, Haryana	Developments in Shrinkage control of composite resin restorations
8.	Dr. Sachin Gupta	KG's Medical College Lucknow	Advances through the Generations of bonding agents
9.	Dr. A.C. Krithika	Meenakshi Ammal Dental College, Chennai	My attachment to reattachment
10.	Dr. P. Sathyanarayana Reddy	GDC, Hyderabad	Configuration factor
11.	Dr. Vishnu Chendhuran	Meenakshi Ammal Dental College, Chennai	Lights on please
12.	Dr. Suhas Mohanlal Dr. Raghothama Rao	RVDC Bangalore	Evolution in Manual endodontic instruments. Designer success
13.	Dr. Raghu T.N.	M.R. Ambedkar DC Bangalore	Cosmetic contouring-new approach
14.	Dr. Adarsh Dr. Bindu	M.R. Ambedkar DC Bangalore	Ozone in dental caries-a myth or a Miracle
15.	Dr. Mudit Uppal Dr. Kanwal Preet	Sri Ramachandra Medical College, Chennai	How safe is your occupation ???
16.	Dr. Neeta Shetty	MCODS, Mangalore	Live & Let Live



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Poster Presentation Group - V

Sl. No.	Name	College	Topic
17.	Dr. Santosh Hugar	PMNM Dental College Bagalkot	Road map's to apex
18.	Dr. Zubair Shareef	KVG Dental College Karnataka	Caries Prevention - Recent Methods
19.	Dr. Gururaj M.	KVG Dental College Karnataka	Endodontic Mishaps
20.	Dr. Reena Gandhi Dr. P. Mayura	KLE's Institute of Dental Sciences, Belgaum	'Epiphany' a resin based material, new approach for root canal obturation
21.	Dr. P.V. Harilal	GDC, Calicut.	MTA - A to Z
22.	Dr. Seddheswaran.V	College of Dental Sciences Davanagere	Dental caries : a myth or fact?
23.	Dr.P Niranjani Dr.M.Robert Justin	Ragas Dental College Chennai	Fluid impervious seal - myth or reality ?
24.	Amit. K.Pachlag	Bapuji Dental College Davanagere.	EZ way out.
25.	Dr. Shashirekha .G.	Oxford Dental College Bangalore	Innovative smile analysis
26.	Dr. Kubersood Dr. K.S. Savada Moorthi	Saveetha Dental College. Chennai	Effect of Cleaning & Sterilization on corrosion of Niti files.
27.	Dr. L Lakshminarayanan, HOD	Saveetha Dental College	Apoptosis - Death for Survival
28.	Dr. Kishore Kumar.M Dr. Swapna D.V.	KLE Dental College Belgaum	PAD - a breakthrough in clinical Desinfection
29.	Dr. Vinod Kumar P.	GDC, Calicut	Laser Applications In endodontics
30.	Dr. Parvathy Y.	GDC, Calicut	Advent of Nanotechnology in dentistry vision of the future



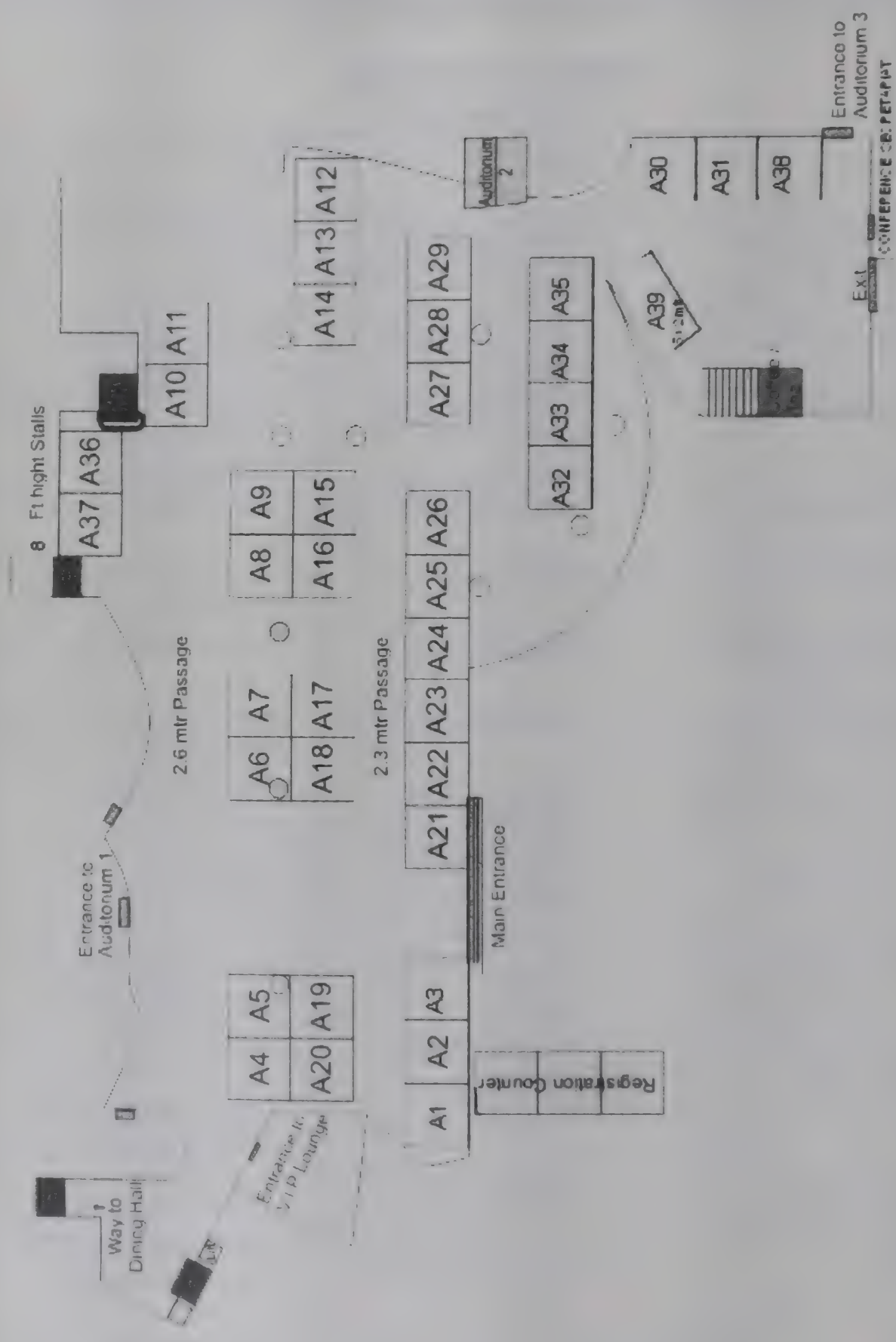
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Poster Presentation Group - VI

Sl. No.	Name	College	Topic
1.	Dr. Ashwin Kumar Dr. K. Chute	College Correspondence Nair Hospital Dental College Mumbai	Referred Pain - The Creeping Culprit
2.	Dr. Deepu Patil	P.M.N.M. Dental College, Bagalkot	3 days vs 5 days Antibiotic therapy in Endodontics
3.	Dr. Hema B.S	P.M.N.M. Dental College, Bagalkot	Endodontic Management of Type - 11 Canals In Mandibular inclusions-A Case Report
4.	Dr. J.Parasmull	AMES Dental College, Raichur	Bio films in DVWL's a cautionary tale
5.	Dr. Raju Srinivas	BIDS, Bangalore	Divide and Rule an Adjunct to tooth Conservation
6.	Dr. Sinu Somarajan Dr. Thendral. K.	College, Chennai	Concepts in dental caries
7.	Dr. Dattu D. Ghule.	Nair Hospital Dental College	Review of Success - International reimplantation.
8.	Dr. Anantkumar.A Heda	Rural Dental College Maharashtra	Expasyl - moving gingiva gently !
9.	Dr. Roopa.R.	M.R Ambedkar D.C Bangalore	LED Vs Halogen - Does it Make a difference ?
10.	Dr. Manoj Kumar Hans	GDC, Ahmedabad	Endodontic Retreatment
11.	Dr. Shameem Yusuf	Yenepoya Mangalore	Orascopy - a breakthrough in intracanal visualization
12.	Dr. Avinash. S	R.V. Dental College	Natural Tooth Pontic
13.	Dr. Karthik J.	R.V. Dental College	An Innovative Technique to Develop contact and contour in Class II composite Restoration
14.	Dr. Madhu. H.	R.V. Dental College	A Method for improving the accuracy of working length determination - A new Approach
15.	Dr. Kiran Kumar	R.V. Dental College	Rationale of using antibiotics in endodontic



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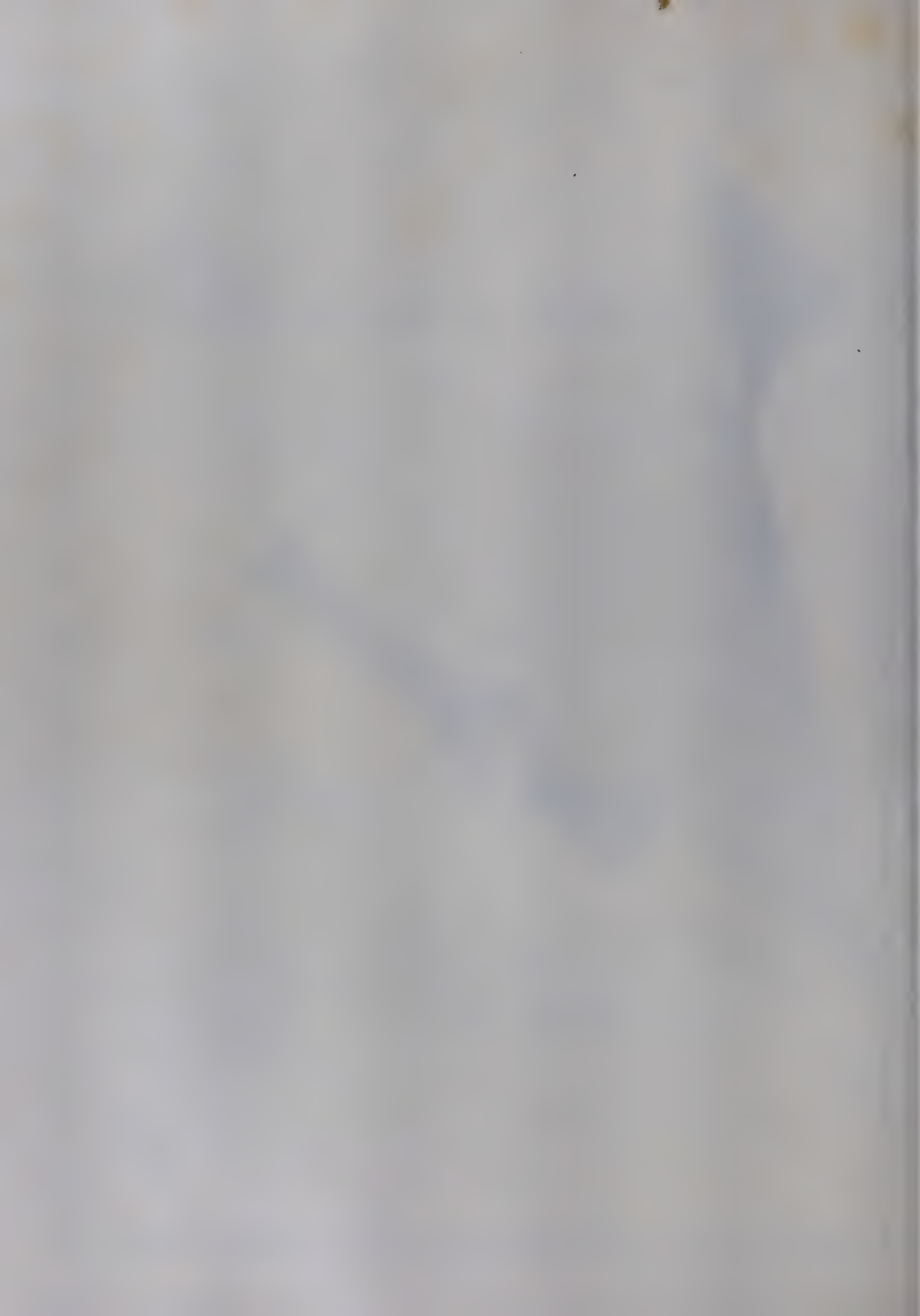
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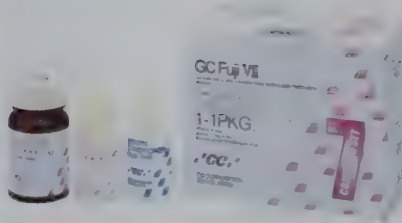
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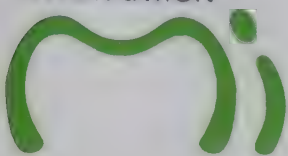


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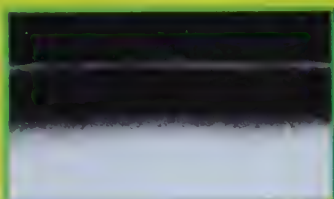


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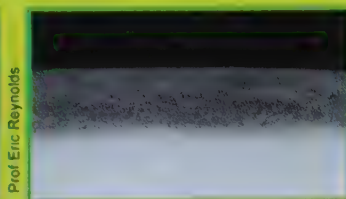


In one word, sorry, three words, the answer is **GC Tooth Mousse**

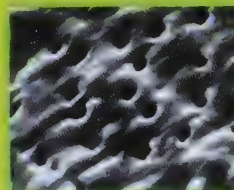
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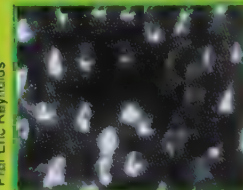
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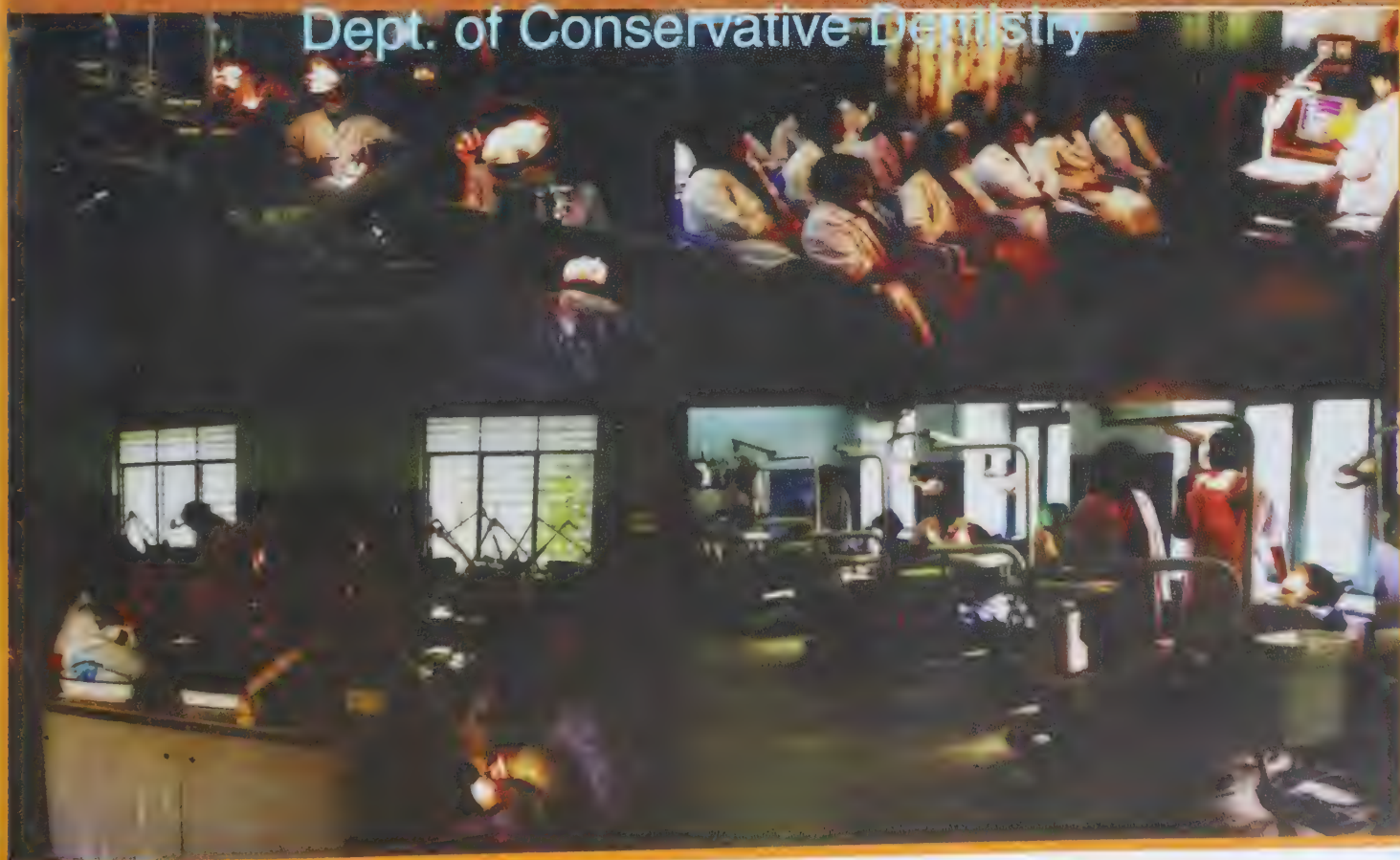


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Clinical

Tetric® Ceram HB



Tetric Ceram HB – extra firmness for posterior restorations. Tetric Ceram HB is the high-viscosity version of the tried-and-tested composite Tetric Ceram. Tetric Ceram HB has been developed for use in the posterior region of the mouth. The highly viscous material allows easy adaptation to cavity walls and matrices. Each increment of Tetric Ceram is light cured for 20 sec.

In Ten-S forms part of an integrated restorative system which comprises the new low-shrinkage composite In Ten-S, the bonding agent Excite and the high-performance polymerization light Astralis 10. With this new polymerization unit, individual layers of In Ten-S composite as well as Excite adhesive can be cured in 10 sec. The innovative chemical composition of In Ten-S allows fast curing. Compared with conventional composites, In Ten-S exhibits remarkably lower shrinkage stresses.

In Ten-S®



Astralis® 10



The new fast-cure halogen curing light Astralis 10 achieves a light intensity of approx. 1200mW/cm² and permits polymerization of individual layers (2mm) of the low-shrinkage composite In Ten-S in only 10 sec. Astralis 10 features 4 different curing programs to cover any clinical situation, and comes with a three year warranty. If operated in the CPC (Continuous Power Control) mode, any decrease in the performance will be indicated on the display of the handpiece.

Excite® DSC Soft-Touch single-dose

Excite DSC is a dual-curing single component adhesive. Excite DSC is suitable for the adhesive cementation of metal-free restorations (e.g. IPS Empress & IPS Empress2) in conjunction with a dual-curing luting composite such as Variolink II. Excite DSC features convenient processing properties. Bottles are no longer confused, and dosing and mixing errors are a thing of the past. The single dose units offer fresh material for every application.



Helioseal Clear Chroma



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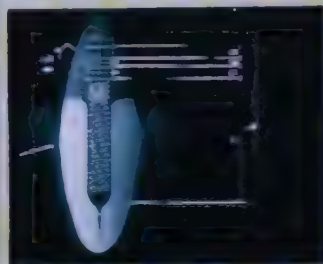
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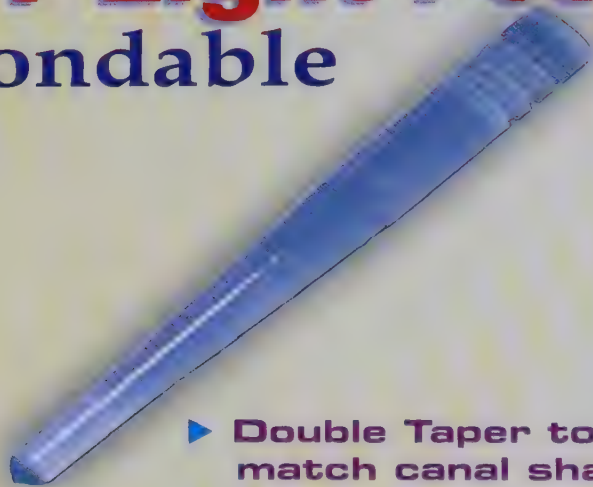
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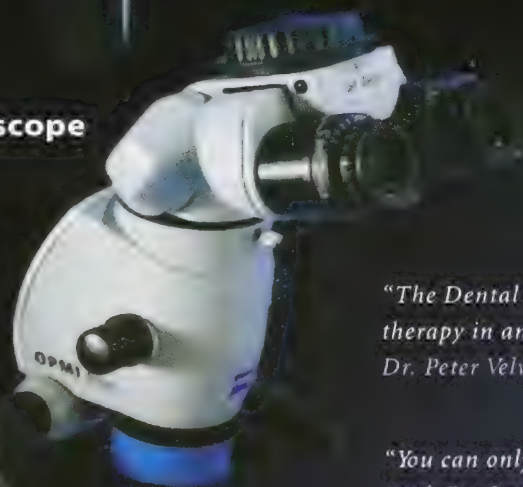
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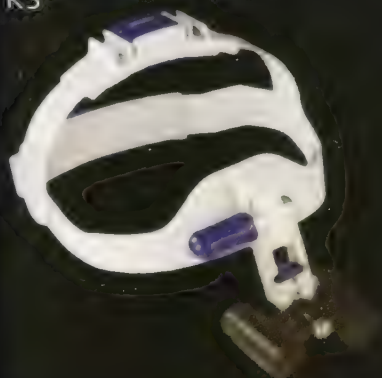


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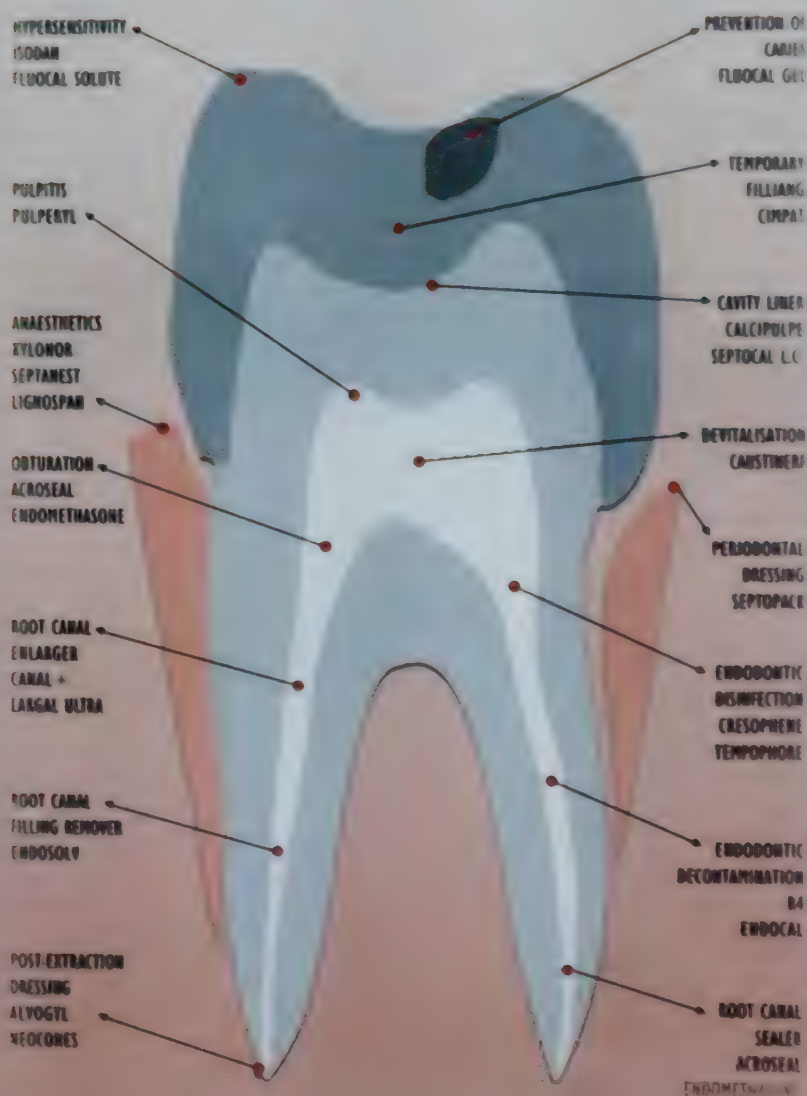
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